

MB MITTLER BROS. MACHINE & TOOL



Product Catalog 2012



Made in the USA since 1980

We Remember 9-11

1-800-467-2464

www.mittlerbros.com



In Memory of Elmer C. "Skip" Mittler

DAD



Paul and I lost Dad, November 4, 2010, at 83 years of age. Dad was my hero, mentor, and a real American success story. His legacy will last forever; he was a father to 8 children, grandfather to 13 and great grandfather to 13.

Dad was loving, private, opinionated, dedicated to his family; a visionary-he could build anything from a sketch on a brown paper bag. He was a hard worker it was only a few years ago that he was hard to keep up with. He was never without a cigar that I can remember. A great story teller, a Barbeque chef extraordinaire, a teacher-I feel I got a PHD in business at the dinning table from him.

The thing that describes Dad best is he was a builder; built his family and many things all tied to family, a house on the farm for his mom and dad, the first house he and Mom ever had, rebuilt and remodeled the house we were raised in and on and on. Why all the building? To provide for the family and the thing he enjoyed the most, having his whole family with him. He also built a great business career; he started as the truck driver on a roofing truck and retired as the President of the company. To me a real American hero, all of this after he cheated his way into the Marines to serve in WWII.

At a meeting around the kitchen table I presented the idea for Mittler Bros Machine & Tool to him and Mom, and with minimal questions, he said lets do it! He and Mom both supported us to get us started, he would always offer advice when asked and never criticized when we didn't follow and messed up, he knew we had to learn from our mistakes. He saw that after a few years in our original 2500 sq ft building that we needed more room and he built the 7500 sq ft building that was our home for 20 years.



In 2006 I was honored to become the National Chairman of the National Tooling & Machining Association and shortly after the ceremony a good friend said "you must be proud of Mike" to which Dad replied without hesitation "I am proud of all my kids", which showed the kind of man he was.

A special thanks to our sisters Ann and Nancy who cared for Dad especially in the end providing him much comfort and love as he battled several illnesses. This is a quote from my sister that sums Dad up pretty well "I just had the thought that Dad died like he left places – when it was time to go he got up and left, even if he had to wait in the car for the rest of his people". The nurses were kind of surprised that he died as quick as he did. It wasn't unexpected, just earlier than expected. "But, when it was time he just did it and is now united again with Mom."

From that I know Dad wants us to move on and continue to live our lives. Dad will be missed by all who knew him!

Mittler Bros. Machine & Tool Co.

A Division of Mittler Corp.

MAILING ADDRESS

P.O. Box 110
Foristell, Missouri 63348-0110

SHIPPING ADDRESS

10 Cooperative Way
Wright City, Missouri 63390-4000

Terms & Conditions of Sale

All orders shipped C.O.D. must be paid by money order or certified check only! Federal Express & UPS no longer accept cash for C.O.D. orders. If a C.O.D. delivery is refused we will require full prepayment on all future orders. Company check acceptance must be pre-approved. No C.O.D. orders will be shipped outside the continental United States. Prepayment will save you the C.O.D. fees. Prepayment can be made by money order, wire transfer, certified check, Visa, American Express, Discover, or Master Card. Payments made with a personal check, or any non-approved business check will delay your order a minimum of ten (10) working days until the check has cleared our bank.

Prices

Every effort possible will be made to hold published prices, however all prices are subject to change without notice! We cannot accept responsibility for errors in content or pricing.

Returns

No merchandise will be accepted for return without prior authorization! All returns must be in like new condition and in original packaging with a copy of the invoice. Special orders are not returnable! All return shipments must be prepaid. Shipping charges are not refundable. A 15% restocking charge will be applied to all returns. No returns accepted after 30 days of invoice date.

Special Orders

All special orders must be 100% prepaid!

All special orders are Nonreturnable and Nonrefundable!

Outside the Continental United States

All orders must be prepaid in U.S. dollars. Wire transfers or credit card payment is preferred. Freight charges must be prepaid. Please call for freight charges. Any additional duty or tariff will be the responsibility of the purchaser. Crating fees may apply to foreign orders.

Truck Freight

All merchandise shipped by truck must be paid in full before order can be shipped. Payment by credit card or money order is preferred. Due to more costly residential delivery charges imposed by most motor freight companies, it is preferable to ship all truck freight items to a business address.

Freight Claim

Any damage must be reported to your carrier upon receipt of goods.

Warranty

All Mittler Bros. & Tanner by MB manufactured products carry a one year warranty on material and workmanship. Misuse or improper tool selection does not constitute a warranty issue. Other manufactures products sold carry the manufactures warranty.

Accepted Credit Cards



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Website: www.mittlerbros.com



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Twitter: www.twitter.com/mittlerbros



You Tube: www.youtube.com/mittler1980

Order Toll Free 1-800-467-2464



Single Speed Ultimate Tube Notcher



Customers Tell Us, "This is a Money Making Machine!"

- Over 24 Years of Proven Use
- Highest Quality Notch/Cope In Minimal Time
- End Mill Design Allows Quick & Easy Metal Removal
- Swivel Vise with 1° Increments
- V-Block Design Means Quick Setup Time
- Optional Adjustable Height Vise for Offset Notching
- Makes a Perfect Tig Weld Fit
- No Coolant Needed
- No Dust or Excessive Noise

Model 400-S

Vise Capacity 3/4" to 2" Tubing
Standard Vise

\$4,295.00

Model 400-SADJ

Vise Capacity 3/4" to 2" Tubing
Adjustable Height Vise

\$4,550.00

Model 400-U

Upgraded Vise Capacity 3/4" to 2-3/8" Tubing
Larger V-Block Vise
Recommended for pipe notching

\$4,550.00

Model 400-UADJ

Upgraded Vise Capacity 3/4" to 2-3/8" Tubing
Adjustable Height Larger V-Block Vise
Recommended for pipe notching

\$4,850.00



1° Swivel Vise Allows Quick & Accurate Setup!



**1 HP AC Motor
115 Volts / 15 Amp
1 Phase 60 Hertz
International Motor Upgrade (See Pg. 7)**



**Max Diameter
2" OD Standard Vise
2 3/8" OD Upgraded Vise**

Order Online @ www.mittlerbros.com

Variable Speed Ultimate Tube Notcher



VS Ultimate Tube Notcher

All the Features of the Ultimate Tube Notcher, with Variable Speed Control!

- 75 to 250 RPM Adjustable Cutter Speed
- Use Fast Speeds for Thin Walled Tube
- Use Slow Speeds for Large Diameter Thick Walled Tube
- End Mill Design Allows Quick & Easy Metal Removal
- Swivel Vise with 1° Increments
- V-Block Design Means Quick Setup Time
- Optional Adjustable Height Vise for Offset Notching
- Makes a Perfect Tig Weld Fit
- No Coolant Needed
- No Dust or Excessive Noise

Model 400-VS

Vise Capacity 3/4" to 2" Tubing
Standard Vise

\$4,795.00

Model 400-VSADJ

Vise Capacity 3/4" to 2" Tubing
Adjustable Height Vise

\$5,050.00

Model 400-VSU

Upgraded Vise Capacity 3/4" to 2-3/8" Tubing
Larger V-Block Vise
Recommended for pipe notching

\$5,050.00

Model 400-VSUADJ

Upgraded Vise Capacity 3/4" to 2-3/8" Tubing
Adjustable Height Larger V-Block Vise
Recommended for pipe notching

\$5,350.00



**1-1/2 HP AC Motor
115, 208, 230, 240 Volts / 15 Amp
1 Phase 50/60 Hertz**



**Max Diameter
2" OD Standard Vise
2 3/8" OD Upgraded Vise**

Order Toll Free 1-800-467-2464



Double Sided VS Ultimate Tube Notcher

Notch From Either Cutter Side



Two Sided Notch Side & Top View



Cluster Joint Created Without Need To Remove From Vise & Reposition Tube

Wider Table Allows Vise To Travel Further so Cutting Can Be Accomplished on Both Sides of the End Mill. This Allows Notching those otherwise "Impossible Pieces".

All The Features of our proven Ultimate Tubing Notcher

Model 400-VS2

Vise Capacity 3/4" to 2" Tubing
Standard Vise

\$5,700.00

Model 400-VS2ADJ

Vise Capacity 3/4" to 2" Tubing
Adjustable Height Vise

\$5,950.00

Model 400-VSU2

Upgraded Vise Capacity 3/4" to 2-1/2" Tubing
Larger V-Block Vise
Recommended for pipe notching

\$5,950.00

Model 400-VSU2ADJ

Upgraded Vise Capacity 3/4" to 2-1/2" Tubing
Adjustable Height Larger V-Block Vise
Recommended for pipe notching

\$6,250.00



Extended Vise Travel Allows Notching on Either Side of the Cutter

1-1/2 HP AC Motor
115, 208, 230 Volts / 15 Amp
1 Phase 50/60 Hertz



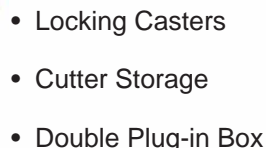
Ships Truck Freight
@ 450 lbs
43L x 28W x 36H



Check Out
Demo Videos
On Our Website
www.mittlerbros.com

Max Diameter
2" OD Standard Vise
2 1/2" OD Upgraded Vise

Ultimate Tube Notcher Accessories

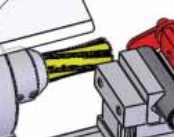


A photograph of a mechanical assembly, likely a part of a machine tool. A red rectangular box highlights a specific component on the left side of the assembly. A green double-headed vertical arrow is positioned next to the highlighted component, indicating a vertical dimension or height measurement.

Jaw Kit for Upgraded Vise Model 1100-AUU \$350.00

Tubing	Part #	Pipe Size	Shank Size	Cut Length	TiN Coated
2 3/8"	400-525	(2")	1 1/4"	6"	\$550.00
2"	400-526		1 1/4"	4"	\$295.00
1.90"	400-527	(1 1/2")	1 1/4"	4"	\$295.00
1 3/4"	400-528		1 1/4"	4"	\$275.00
1 3/4"	400-528-F	Fine	1 1/4"	4"	\$280.00
1.66"	400-529	(1 1/4")	1 1/4"	4"	\$265.00
1 5/8"	400-530		1 1/4"	4"	\$240.00
1 1/2"	400-531		1 1/4"	4"	\$195.00
1 1/2"	400-531-F	Fine	1 1/4"	4"	\$195.00
1 3/8"	400-532	(1")	1 1/4"	4"	\$215.00
1 1/4"	400-533		1 1/4"	4"	\$160.00
1 1/4"	400-533-F	Fine	1 1/4"	4"	\$165.00

1 1/8"	400-534	1 1/8"	4"	\$145.00
1"	400-535	1"	4"	\$115.00
7/8"	400-536	7/8"	3-1/2"	\$100.00
3/4"	400-537	3/4"	3"	\$70.00
*5/8"	400-547	5/8"	2-1/2"	\$70.00
*1/2"	400-538	1/2"	2"	\$55.00



Model 1100-100 \$10.00

230v. 1Ph. 50Hz. Motor...400-603...\$275.00



Variable Speed Ultimate Tubing Notcher
uses Standard End Mill cutters for all tubing
wall thicknesses

*** (Requires 1/2" Bushing [400-019-500](#) & [1100-100 Shim](#))**



Standard Hydraulic Tube Notcher

- Capacity
2" OD Maximum
1" OD Minimum
- Produces Straight or Angle Cuts
- Includes 10 Ton Hydraulic Ram

Max Tube Wall Thickness 0.125"



Standard OD Notcher Dies: **\$175.00**

1"	100-010-1
1-1/8"	100-010-1125
1-1/4"	100-010-1250
1-3/8"	100-010-1375
1-1/2"	100-010-1500
1-5/8"	100-010-1625
1-3/4"	100-010-1750
2"	100-010-2

Replacement Punch (3-1/2" Wide)

Model 100-005: **\$125.00**

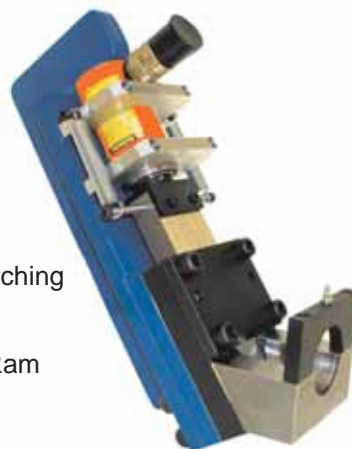
Standard Hydraulic Tube Notcher With Die (your choice) Model 100 **\$725.00**

Hydraulic Pump Separately

Heavy Duty Hydraulic Tube Notcher

- Capacity
2 3/8" OD Maximum
1-1/2" OD Minimum
- Great for Production Work
- Recommended for Pipe Notching & Fencing
- Includes 10 Ton Hydraulic Ram

Max Tube Wall Thickness 0.154"



Heavy Duty OD Notcher Dies: **\$195.00**

1-1/2"	100-030-1500
1-3/4"	100-030-1750
2"	100-030-2
1.66"	100-030-166
1.90"	100-030-190
2-3/8"	100-030-2375

Replacement Punch (4-1/2" Wide)

Model 100-005: **\$200.00**

Heavy Duty Hydraulic Tube Notcher With Die (your choice) Model 100-U **\$1095.00**

Hydraulic Pump Separately

Accessories



90 PSI Compressed Air
Air Hydraulic Pump, 6' Hose & Fitting
Model 900-504-6 **\$595.00**



115v. 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump, 6' Hose & Fitting
Model 900-508-6 **\$1580.00**



Bench Mounting Bracket
(fits either unit)
Model 100-200 **\$75.00**



Optional Floor Stand
with Locking Casters
Model 3100-100 **\$250.00**

Hole Saw Notchers



Basic Steel Unit
Model 1700-BSU \$170.00

- Sets to Exact Angles (0-60 Degrees)
- Automatic Centering of Tube
- Notches Tubing from 1/2" to 2" Diameter
- Power with Drill Press or Hand Drill
- Economical Enough for the Amateur
- Rugged Enough for the Professional



Deluxe Double
Adjustable Aluminum Mount
Model 1700-DADM \$285.00

Hole Saws



Hole Saws		
3/4"	1700-501	\$11.75
1"	1700-502	\$12.50
1-1/4"	1700-503	\$12.50
1-3/8"	1700-504	\$13.00
1-1/2"	1700-505	\$13.00
1-5/8"	1700-506	\$13.00
1-3/4"	1700-507	\$16.50
2"	1700-508	\$16.50

PipeMaster



Tube Sizes-OD		
1"	MB-PT100	\$48.00
1-1/8"	MB-PT1125	\$50.00
1-1/4"	MB-PT125	\$51.00
1-3/8"	MB-PT1375	\$56.00
1-1/2"	MB-PT150	\$56.00
1-5/8"	MB-P125	\$56.00
1-3/4"	MB-PT175	\$63.00
2"	MB-PT200	\$65.00
Pipe Sizes-ID		
1-1/4"	MB-P125	\$56.00
1-1/2"	MB-P150	\$65.00
2"	MB-P200	\$66.00



Hydraulic 180° Tube Bender



Max Capacity
2" OD Tubing .125" Wall
1-1/2" Pipe (1.90" OD)
.145" Wall



Easily Produces Compound Bends



Swing Out Work Tray Holds Follow Bar & Removes for Compound Bends

- Hydraulic Powered 25 Ton Ram
- 8-1/4 Stroke
- Digital Readout in One Degree Increments for Maximum Repeatability
- Bends Mild Steel, Stainless, Aluminum, 4130 Tubing & Pipe
- Rolling Stand with Locking Casters
- Cam Action Follow Bar Pressure Release
- Rugged Rack & Pinion Drive
- Bends Square Tubing 3/4" to 2"
- Small & Medium Saddles Included
- Storage Shelves for Shoes & Follow Bars

180° Bender (25 Ton Ram) Model 2500 \$3,895.00

Hydraulic Pump Sold Separately pg 12

Shoe Sets Sold Separately



Round Tube Shoe Sets

Tube OD	CL Rad.	Part #	Price
* 2"	8"	2500-S00	\$565.00
1-3/4"	8"	2500-S01	\$525.00
1-3/4"	7"	2500-S02	\$455.00
45mm	178mm	2500-M45	\$485.00
1-5/8"	7"	2500-S03	\$455.00
40mm	152mm	2500-M40	\$430.00
1-1/2"	6"	2500-S04	\$400.00
38mm	152mm	2500-M38	\$430.00
1-3/8"	5"	2500-S05	\$350.00
1-1/4"	5"	2500-S06	\$350.00
30mm	102mm	2500-M30	\$345.00
1-1/8"	4"	2500-S07	\$315.00
1"	4"	2500-S08	\$315.00
25mm	102mm	2500-M25	\$345.00
3/4"	4"	2500-S09	\$315.00

Additional Metric Sizes Available

See www.mittlerbros.com



See Accessories
Page 12-14

Square Tube Shoe Sets

Tube Size	CL Rad.	Part #	Price
* 2"	8"	2500-S18	\$675.00
1-3/4"	8"	2500-S16	\$595.00
1-3/4"	7"	2500-S15	\$550.00
1-1/2"	6"	2500-S14	\$500.00
1-1/4"	5"	2500-S13	\$430.00
1-1/8"	4"	2500-S12	\$400.00
1"	4"	2500-S10	\$400.00
3/4"	4"	2500-S11	\$400.00

Pipe Shoe Sets

Pipe Size	OD	CL Rad.	Part #	Price
1-1/2"	1.90	8"	2500-S32	\$640.00
1-1/4"	1.66	6"	2500-S31	\$530.00
1"	1.31	5"	2500-S30	\$475.00

Adjustable Saddle Sold Separately -
Not Included with Shoe Set

3/8" to 1-3/8" OD = Small Saddle - #2500-300 @ \$75.00
1-1/2" to 1-3/4" OD = Medium Saddle - #2500-301 @ \$95.00
2" OD = Large Saddle - #2500-302 @ \$125.00

Small & Medium Saddle Included with all 90° & 180°
Tube Benders Purchased Since December 2006

* Must Purchase Model # 2500-302 Large Adjustable Saddle

Order Online @ www.mittlerbros.com

Hydraulic 90° Tube Bender



Max Capacity
2" OD Tubing .125" Wall
1-1/2" Pipe (1.90" OD) .145" Wall

- 25 Tons of Hydraulic Power
- 6-1/4 Stroke
- Portable at 60 lbs, and No Need to Anchor
- Bends Mild Steel, Stainless, Aluminum, 4130 Tubing & Pipe
- Engraved Reference Scale for Easy Repeatability
- 3/4" to 2" OD Round Tubing
- Bends Square Tubing 3/4" to 2"
- Small & Medium Adjustable Saddles Included
- Instructional 1 hour DVD Included

90° Bender (25 Ton Ram) Model 900 \$1,195.00

Hydraulic Pump Sold Separately pg 12

Shoe Sets Sold Separately

Round Tube Shoe Sets

Tube OD	CL Rad.	Part #	Price
* 2"	8"	900-S01	\$495.00
* 2"	7"	900-S02	\$495.00
1-3/4"	8"	900-S03	\$450.00
1-3/4"	7"	900-S04	\$450.00
45mm	178mm	900-M45	\$465.00
1-5/8"	7"	900-S05	\$420.00
1-5/8"	6"	900-S06	\$420.00
40mm	152mm	900-M40	\$445.00
1-1/2"	7"	900-S07	\$420.00
1-1/2"	6"	900-S08	\$420.00
38mm	152mm	900-M38	\$445.00
1-3/8"	5"	900-S09	\$340.00
1-1/4"	5"	900-S10	\$340.00
30mm	102mm	900-M30	\$275.00
1-1/8"	4"	900-S11	\$250.00
1"	4"	900-S12	\$250.00
25mm	102mm	900-M25	\$275.00
3/4"	4"	900-S14	\$250.00

Square Tube Shoe Sets

Tube Size	CL Rad.	Part #	Price
* 2"	8"	900-S25	\$595.00
1-1/2"	7"	900-S26	\$500.00
1-1/4"	5"	900-S27	\$415.00
1"	4"	900-S28	\$315.00
3/4"	4"	900-S29	\$315.00

Pipe Shoe Sets

Pipe Size	OD	CL Rad.	Part #	Price
1-1/2"	1.90	8"	900-S41	\$550.00
1-1/4"	1.66	6"	900-S42	\$475.00
1"	1.315	5"	900-S43	\$380.00
3/4"	1.050	4"	900-S44	\$310.00
1/2"	.84	4"	900-S45	\$310.00

Additional Metric Sizes Available
See www.mittlerbros.com

See Accessories
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* Must Purchase Model # 2500-302 Large Adjustable Saddle

Adjustable Saddle Sold Separately -
Not Included with Shoe Set

3/8" to 1-3/8" OD = Small Saddle - #2500-300 @ \$75.00
1-1/2" to 1-3/4" OD = Medium Saddle - #2500-301 @ \$95.00
2" OD = Large Saddle - #2500-302 @ \$125.00

Small & Medium Saddle Included with all 90° & 180°
Tube Benders Purchased Since December 2006

Order Toll Free 1-800-467-2464

Tube Bending Accessories

Adjustable Saddles

For 90° & 180° Hydraulic Tube Benders

- Securely holds each tube, eliminates tube creep
- Easy Release "V" Block eliminates Stuck Saddle from tube spring back
- Easier Bend-to-Bend Alignment with light pressure on tube
- Saddles Handle Round & Square Tubing

3/8" TO 1-3/8" OD. Small Adjustable Saddle

Model **2500-300** \$75.00

1-1/2" TO 1-3/4" OD. Medium Adjustable Saddle

Model **2500-301** \$95.00

2" OD. Large Adjustable Saddle

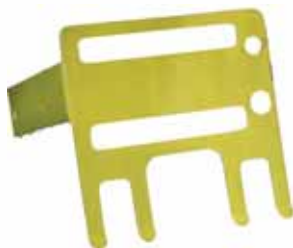
Model **2500-302** \$125.00



Adjustable Saddle Sold Separately - Not Included with Shoe Set

Small & Medium Saddle Included with all 90° & 180° Tube Benders Purchased Since December 2006

Accessory Storage Tray for 180° Tube Bender



Convenient storage for pressure roll shims & adjustable saddle & pins. Easily bolts on to your 180° tube bender using existing holes.

Accessory Storage Tray for 2500 180° Bender

Model **2500-142** \$25.00



Bend Stop for 180° Tube Bender

Pre Set Stop For Accurate Repeat Bends

Bolts to the side of the 2500 180° Hydraulic Bender frame and routes shop air through the valve to your air hydraulic pump. Once adjustable stop button is moved to proper preset position, button will contact the air "switch" and cuts the air to your pump at the preset position. Three Bend Presets makes this Ideal for repeat production work.



Air Stop Kit for 2500 180° Bender

Model **2500-400** \$325.00



**90 PSI Compressed Air
Air Hydraulic Pump,
6' Hose & Fitting**

Model **900-504-6** \$595.00



**115v. 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump,
6' Hose & Fitting**

Model **900-508-6** \$1580.00



**Digital Read Out for
90° Hydraulic Bender**
Model **900-D** \$365.00



**Tube Bending Instructional
DVD For Model 900 Bender**
Model **900-500-DVD** \$40.00

Bend-Tech Software

Save Time, Material, & Money....Do it Right the First Time!

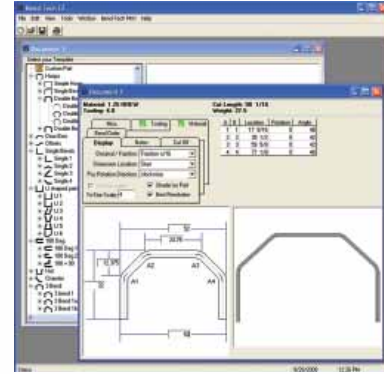
Tube Bending Software

Requires XP, Vista, or Windows 7

BEND-TECH EZ

- Designed for Tube Bending Projects with simple 2D parts (completed parts that lay flat)
- Predefined Templates to illustrate and assist in part layout and setup
- 6 Bends allowed with custom part interface
- Total Tube Length identified for your specific bending project
- Bend Start Points identified for each bend
- Printable Setup Sheet -- easy to follow
- Upgrade to Higher Software Level -- EZ-3D, PRO, or SE

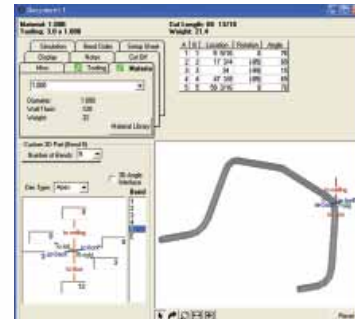
Bend-Tech EZ Software Model 900-510 \$69.00



BEND-TECH EZ-3D

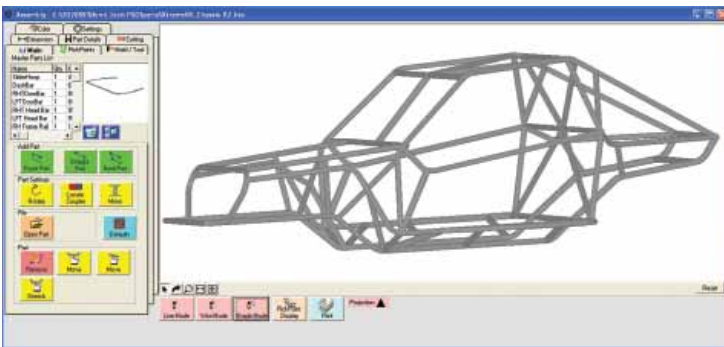
- All EZ Features Included
- 3D Custom Part Window for multiple bends
- 360-degree Part Rotation to view part from any angle
- Simple Setup Terms of "front, back, floor, ceiling, left, & right"
- Reverse Bending order available
- Bending Simulation illustrates each bend process and final shape
- Upgrade to Higher Software Level -- PRO or SE

Bend-Tech EZ-3D Software Model 900-511 \$149.00



BEND-TECH PRO

- All EZ-3D Features Included
- Entire Manufacturing Instructions are printable to check each part design & process
- Full 3D Assembly Design
- Each Part Shown Individually with dimensions, angle, degree of notch
- Cutting Instructions -- includes notching (fish-mouth)
- 10 Bends Allowed



Bend-Tech PRO Software Model 900-512 \$275.00

Bend-Tech SE Software Model 900-513 \$499.00

(Commercial Bending, Springback Compensation, DXF Compatible ,50 Bends)

Bends done on Bend-Tech Pro

Sheet Metal Bending Software

- HobbyCAD; an easy-to-use 2d design & detail package
- Creation & detailing of bent sheet metal parts
- Layout of bent parts with bend allowances
- Geometric Library where you create patterns or flanges to use, scale, flip & rotate on future designs
- DXF Compatible
- Assemble the sheet metal & plate parts together
- Assemble sheet metal parts with tubing assembly using PRO & SE software

Bend-Tech SM Module Software Model 900-514 \$150.00

Requires "Pro" or "SE" Tube Bending Software - Latest Release

Order Toll Free 1-800-467-2464

Notch and Bend Aligner

End material waste and slow trial & error fabrication. The Notch & Bend Aligner assures precise axial alignment of notches and bends. Add the finishing touch to your **Ultimate Notcher** and **Tube Bender**!

Capacity:
3/4" OD to 2" OD Round



Model 1800-StA \$195.00
Notch & Bend Aligner Complete
w/ Smart Tool



Model 1800-A \$75.00
Notch & Bend Aligner Mount Only

Smart Tool Module



Smart Tool Angle Sensor Model 1800 \$125.00

- Digitally reads all angles in degrees, % slope, and pitch
- Push button recalibration
- Beeps at level and plumb
- For use in a variety of applications & equipment



Magnetic Mount Model 1800-505 \$15.00
No Smart Tool owner should be without!

Bend Protractors

- Easily Set Any Degree Of Bend From 0 to 90
- Can Be Used As A Bend Template Or Degree Indicator
- Inner Scale Shows Degree Of Bend
- Outer Scale Shows Developed Length For Each Degree Of Bend
- Light Weight Aluminum For Ease Of Use
- Precision Laser Engraving

CL Radius	Part #	Price
4"	2100-4	\$100.00
5"	2100-5	\$110.00
6"	2100-6	\$120.00
7"	2100-7	\$130.00
8"	2100-8	\$140.00
4" to 8" Set	2100	\$510.00



180° Manual Tube Bender



Capacity
3/8" - 1" OD Tube
.049" Wall to .095" Wall



Tube In Starting Position



Finished 180° Bend

Manual 180° Tube Bender with Shoe Set & Degree Wheel

Model 950 \$395.00

Round Tube Shoe Sets

Three Piece Set - Main Shoe, Follow Roller & Eccentric Lock Roll

Tube Size	CL Rad.	Part #	Price
1"	3-1/2"	950-S01	\$225.00
7/8"	3-1/2"	950-S02	\$225.00
3/4"	2-1/2"	950-S03	\$225.00
5/8"	2-1/2"	950-S04	\$225.00
1/2"	2"	950-S05	\$225.00
Combo 3/8" / 1/2"	2"	950-S20	\$225.00



Square Tube Shoe Sets

Three Piece Set - Main Shoe, Follow Roller & Eccentric Lock Roll

Tube Size	CL Rad.	Part #	Price
1"	3-1/2"	950-S06	\$225.00
7/8"	3-1/2"	950-S07	\$225.00
3/4"	2-1/2"	950-S08	\$225.00
5/8"	2-1/2"	950-S09	\$225.00
1/2"	2"	950-S10	\$225.00
Combo 3/8" / 1/2"	2"	950-S21	\$225.00

Time saving features to upgrade your existing 180° Manual Tube Bender

RetroFit Degree Wheel Kit Model 950-DWK \$75.00



Simply insert your tube into the bender, pull follow roller into contact with tube, loosen thumb screw and rotate degree dial so "0" aligns with arrow. Pull follow roll until arrow aligns with degree of bend desired.

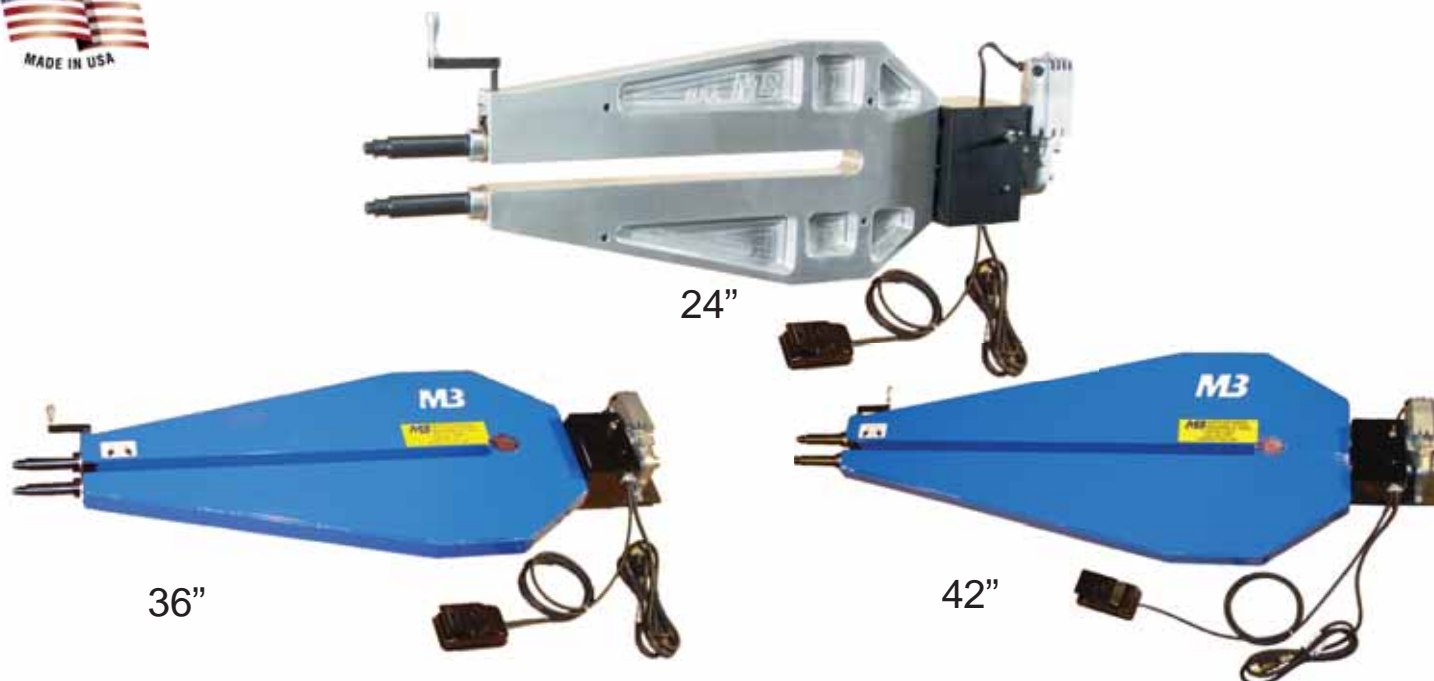


Eccentric Lock Roll (Specify Tube Size at Order) Model 950-006 \$65.00

Offset mount allows lock roll to prevent tube creep & hold tube secure during bending operation.



Power Drive Bead Rollers



Built with Pride in the USA For Over 27 Years!

- 24" Model - Billet Aluminum Frame
- 1-1/8" Throat Height
- Variable Speed Foot Pedal Operated
- 36" & 42" Models - Jig Welded Steel Frame
- Adjustable Depth of Bead
- Forward / Reverse Switch
- 100+ Bead Roll Profiles (See pages 18-19)
- Oilite Bushings for Long Life
- Both Shafts Driven

• 42" Model Ships Truck Freight Only

24" Throat Depth Power Drive Bead Roller **Model 210-24 \$695.00**

36" Throat Depth Power Drive Bead Roller **Model 200-36 \$895.00**

42" Throat Depth Power Drive Bead Roller **Model 200-42 \$1095.00**

Max Capacity
19 Ga (.040") Mild Steel
16 Ga (.050") Aluminum
21 Ga (.035") Stainless

Bead Rolls Sold Separately (See p. 18-19)

24" Manual Bead Roller

- Hand Crank Operated
- Easily Upgradable to Power Drive Bead Roller (Requires **Model 200-302** Power Drive Kit - \$300.00)
- Time Proven Features of our Power Drive Bead Rollers
- 24" Billet Aluminum Frame

Max Capacity
19 Ga (.040") Mild Steel
16 Ga (.050") Aluminum
21 Ga (.035") Stainless



24" Throat Depth Manual Bead Roller **Model 210-24M \$450.00** **Bead Rolls Sold Separately (See p. 18-19)**



STD. Motor to Industrial Motor Conversion Kit
Model 200-300 \$800.00

(Easy bolt on conversion kit to upgrade for 16 Ga. Mild steel Capacity)

Industrial Variable Speed Bead Rollers

Ideal For Restoration Using Up To 16Ga. Mild Steel



24"



36"

Increased Motor Torque & Horsepower To Handle those Demanding Jobs with Ease!

Max Capacity

16 Ga (.062") Mild Steel
14 Ga (.064") Aluminum
19 Ga (.043") Stainless

Standard Bead Rolls Designed For Up To 19Ga. (.040") Thick Mild Steel.
Thicker Metal - 18Ga. & 16Ga. (.050" & .062") Requires Larger Female Roll
To Form Proper Bead Roll Profile. **i.e. 1/4" Male & 3/8" Female**

- 24" Model - Billet Aluminum Frame
- 1-1/8" Throat Height
- Variable Speed Foot Pedal Operated
- 36" Models - Jig Welded Steel Frame
- Adjustable Depth of Bead
- Forward / Reverse Switch
- 100+ Bead Roll Profiles (See pages 18-19)
- Oilite Bushings for Long Life
- Both Shafts Driven

24" Throat Depth Industrial Variable Speed Bead Roller (Billet Aluminum) **Model 210-24NV \$1,275.00**

36" Throat Depth Industrial Variable Speed Bead Roller (Jig Weld Steel) **Model 200-36NV \$1,425.00**

Bead Rolls Sold Separately (See p. 18-19)

Bead Roller Accessories

Floor Stands

- Bolt Together Design For Easy Shipping
- Industrial Coated Finish
- Fits All Bead Rollers



H- Frame

Model 200-031 \$100.00



Rolling W/ Locking Casters

Model 200-150 \$150.00

Depth Stop



Depth Stop

Model 200-009 \$75.00

Roll Holder



Roll Holder

Model 200-RH \$75.00

Voltage Converter

Power Converter required when operating power drive bead roller on power source other than 110 volts.



110, 200, 220 & 240 Volt Input / 110 or 220 Volt Output

500 Watt (5 Amp) Voltage Converter Model 200-552 \$75.00

2000 Watt (16 Amp) Voltage Converter Model 200-558 \$140.00

Order Toll Free 1-800-467-2464



Largest Selection of Rolls Available!

For Use with all Standard (1-1/8" Throat) Bead Rollers!

210-24, 210-24NV, 200-36, 200-36NV, 200-42 & 210-24M

Standard Bead Rolls Designed For Up To 19Ga. (.040") Thick Mild Steel.
Thicker Metal - 18Ga. & 16Ga. (.050" & .062") Requires Larger Female Roll
To Form Proper Bead Roll Profile. **i.e. 1/4" Male & 3/8" Female**

Standard Round Bead Roll Sets	P/N Steel	Set Price
1/8" Round	201-125	\$65.00
3/16" Round	201-188	\$65.00
1/4" Round	201-250	\$65.00
5/16" Round	201-313	\$65.00
3/8" Round	201-375	\$65.00
1/2" Round	201-500	\$65.00
5/8" Round	201-625	\$65.00
3/4" Round	201-750	\$85.00
1" Round	201-100	\$85.00



Round Bead

Standard Edge Bead Roll Sets	P/N Steel	Set Price
1/8" Edge Bead	201-125-E	\$65.00
3/16" Edge Bead	201-188-E	\$65.00
1/4" Edge Bead	201-250-E	\$65.00
5/16" Edge Bead	201-313-E	\$65.00
3/8" Edge Bead	201-375-E	\$65.00
1/2" Edge Bead	201-500-E	\$65.00
5/8" Edge Bead	201-625-E	\$65.00
3/4" Edge Bead	201-750-E	\$85.00
1" Edge Bead	201-100-E	\$85.00



Edge Bead

Standard Flat Bead Roll Sets	P/N Steel	Set Price
1/8" Flat	201-125-F	\$65.00
3/16" Flat	201-188-F	\$65.00
1/4" Flat	201-250-F	\$65.00
5/16" Flat	201-313-F	\$65.00
3/8" Flat	201-375-F	\$65.00
1/2" Flat	201-500-F	\$65.00
3/4" Flat	201-750-F	\$85.00
1" Flat	201-100-F	\$85.00



Flat Bead

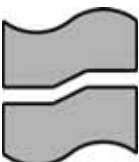
Built in edge guide makes a tough job easier!
Designed to roll a strengthening bead around the edge of a panel, also works great for wheel well openings!

**All Standard Roll Sets
2-1/2" OD x 3/4" ID**

Standard Step Roll Sets	P/N Steel	Set Price
.062" Step	201-062-S	\$65.00
.090" Step	201-090-S	\$65.00
1/8" Step	201-125-S	\$65.00
3/16" Step	201-188-S	\$65.00
1/4" Step	201-250-S	\$65.00
45° Step	201-045-S	\$65.00



Step



45° Step

Bead Size Indicates Width

All Rolls Available in Nylatron at same price!

Nylatron Rolls are Ideal for Pre-Finished Materials as well as Copper, Brass & Thin Aluminum

Add Letter "D" to the End of Part #
ex. 1/8" Round Nylatron Roll #201-125D

Tube Bead Rolls

Fits all model 200 & 210 Bead Rollers



HD

Rolls A Bead So
Hoses Won't Slip Off

HD Tube Bead Rolls Model **201-010** \$140.00
(1-1/4" ID Min x .095" Wall Aluminum , .065 Mild Steel, .043 Stainless Steel)

Recommended for use with 24" BR w/ Industrial Motor or Rotary Machine

Specialty Rolls

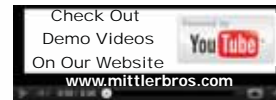
For Use with all Standard (1-1/8" Throat) Bead Rollers!

210-24, 210-24NV, 200-36, 200-36NV, 200-42 & 210-24M



Bead Roll Sets 2-1/2" OD

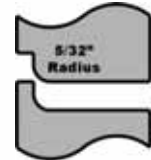
Specialty Roll Sets	Steel P/N	Set Price
Art Pattern Roll Set	201-102	\$65.00
Blank Roll Set (non-machined)	201-002	\$35.00
Body Line Roll Set	201-084	\$65.00
Fender Flare Roll Set	201-065	\$85.00
Full Radius Tank Roll Set	201-083	\$65.00
Hem Roll Set Combo	201-037	\$160.00
Hem Roll Set Steel	201-038	\$160.00
Hem Roll Step #1 (1/4" 90°)	201-059	\$85.00
Hem Roll Step #1 (3/8" 90°)	201-008	\$85.00
Hem Roll Step #2 (140°)	201-060	\$75.00
Hem Roll Step #3 Flat	201-068	\$40.00
Louver Roll Set	201-082	\$115.00
Shear Roll Set	201-058	\$85.00
Standard Tank Roll Set	201-070	\$65.00
Spoiler Roll Set	201-072	\$65.00
Tipping Roll Set	201-101	\$65.00
Tube Bead Roll Set (HD)	201-010	\$140.00
30° Angle Roll Set	201-069	\$65.00
90° 1/2" Angle Roll Set	201-500-B	\$115.00
90° 3/4" Angle Roll Set	201-750-B	\$115.00
1/8" Double Taper Pinstripe Roll Set	201-125-DPT	\$115.00
1/16" Wire Bead Roll Set (3 pc Set)	201-062-WBS	\$200.00
1/8" Wire Bead Roll Set (3 pc Set)	201-125-WBS	\$200.00
3/4"W x 1/2"D Wire Trough Roll Set	201-750-WTS	\$100.00



Art Pattern



Standard Tank Roll



Full Radius Tank Roll



Body Line Roll



Shear Roll



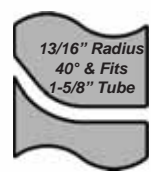
Fender Flare



Double Pin Stripe



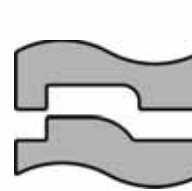
Tipping



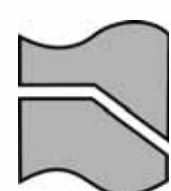
Spoiler Roll



90° Angle Roll



Louver Roll



30° Angle Roll

Bead Size Indicates Width

All Rolls Available in Nylatron at same price!
Nylatron Rolls are Ideal for Pre-Finished Materials as well as Copper, Brass & Thin Aluminum
Add Letter "D" to the End of Part #
ex. 1/8" Round Nylatron Roll #201-125D

Hem Roll Set Complete

This easy, three-step process creates hem rolls approximately 1/4" deep on steel or aluminum up to .040" thick without marring pre-painted aluminum. Rolls are available in HEAT-TREATED STEEL or COMBO STEEL & NYLATRON.

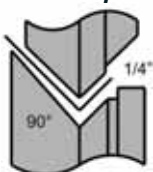
Complete Hem Roll Set Combo Steel / Nylatron

Model 201-037 \$160 (save \$40)

Complete Hem Roll Set Combo Heat Treated Steel

Model 201-038 \$160 (save \$40)

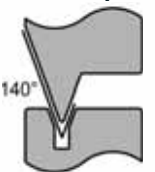
Hem Step #1



\$85.00

Step one forms the metal 90°

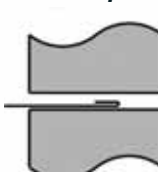
Hem Step #2



\$75.00

Step two forms the metal to 140°

Hem Step #3



\$40.00

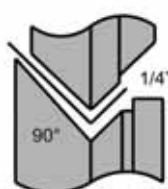
Step three forms the metal flat



Wire Bead Roll Set Complete

1/16" Wire Bead Roll Set Model 201-062-WBS \$200

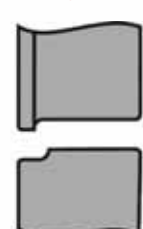
1/8" Wire Bead Roll Set Model 201-125-WBS \$200



Wire Bead Step #1



Wire Bead Step #2

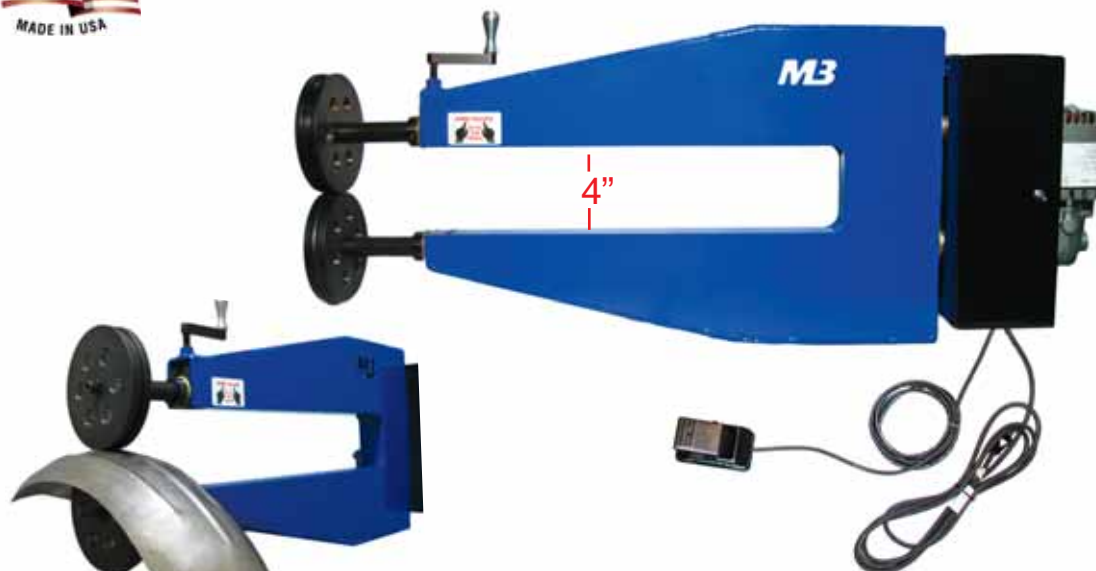


Wire Bead Step #3

Order Toll Free 1-800-467-2464



High Throat Power Drive Bead Roller

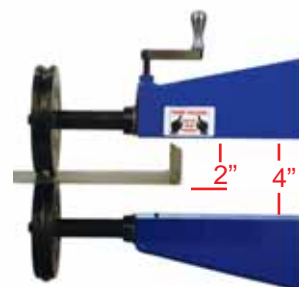


Max Capacity
19 Ga (.040") Mild Steel
16 Ga (.050") Aluminum
21 Ga (.035") Stainless



High Crown

Bead Rolls Sold Separately



Large Lip

- 24" & 36" Models Available
- Rigid Steel Frame
- Large Selection of Bead Roll Profiles
- 4" High Throat for Extra Clearance
- Adjustable Depth of Bead
- Oilite Bushings for Long Life
- Variable Speed Foot Pedal Operated
- Forward / Reverse Switch
- Both Shafts Driven

24" Throat Depth High Throat Power Drive Bead Roller **Model 204-24 \$875.00**

36" Throat Depth High Throat Power Drive Bead Roller **Model 204-36 \$1,100.00**

24" Throat Depth Industrial VS High Throat Power Drive Bead Roller **Model 204-24NV \$1,425.00**

36" Throat Depth Industrial VS High Throat Power Drive Bead Roller **Model 204-36NV \$1,575.00**

Increased Motor Torque & Horsepower To Handle Up To 16Ga. Mild Steel

Bead Roller Accessories

Floor Stands



H- Frame

Model 200-031 \$100.00



Rolling W/ Locking Casters

Model 200-150 \$150.00



Depth Stop

(Fits High Throat Bead Roller)

Model 204-009 \$75.00



Roll Holder

(High Throat Bead Roller)

Model 204-RH \$75.00

Voltage Converter



Power Converter required when operating power drive bead roller on power source other than 110 volts.

110, 200, 220 & 240 Volt Input / 110 or 220 Volt Output

500 Watt (5 Amp) Voltage Converter Model 200-552 \$75.00

2000 Watt (16 Amp) Voltage Converter Model 200-558 \$140.00

High Throat Bead Roll Sets 5-1/2" OD

204-24, 204-24NV, 204-36, & 204-36NV Powered Bead Rollers



5-1/2" OD
Upper

5-1/2" OD
Lower

Standard Bead Rolls Designed For Up To 19Ga. (.040") Thick Mild Steel.
Thicker Metal - 18Ga. & 16Ga. (.050" & .062") Requires Larger Female Roll
To Form Proper Bead Roll Profile. i.e. 1/4" Male & 3/8" Female

Round Bead Roll Sets	P/N Steel	Set Price
1/8" Round	204-125	\$95.00
3/16" Round	204-188	\$95.00
1/4" Round	204-250	\$95.00
5/16" Round	204-313	\$95.00
3/8" Round	204-375	\$95.00
1/2" Round	204-500	\$95.00



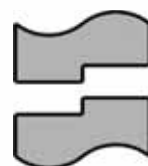
Round Bead

Edge Bead Roll Sets	P/N Steel	Set Price
1/8" Edge Bead	204-125-E	\$95.00
3/16" Edge Bead	204-188-E	\$95.00
1/4" Edge Bead	204-250-E	\$95.00
5/16" Edge Bead	204-313-E	\$95.00
3/8" Edge Bead	204-375-E	\$95.00
1/2" Edge Bead	204-500-E	\$95.00



Edge Bead

Step Roll Sets	P/N Steel	Set Price
.062" Step	204-062-S	\$95.00
.090" Step	204-090-S	\$95.00
1/8" Step	204-125-S	\$95.00
3/16" Step	204-188-S	\$95.00
1/4" Step	204-250-S	\$95.00
45° Step	204-045-S	\$95.00



Step

Flat Bead Roll Sets	P/N Steel	Set Price
1/8" Flat	204-125-F	\$95.00
3/16" Flat	204-188-F	\$95.00
1/4" Flat	204-250-F	\$95.00
5/16" Flat	204-313-F	\$95.00
3/8" Flat	204-375-F	\$95.00
1/2" Flat	204-500-F	\$95.00



Flat Bead

Specialty Roll Sets	Steel P/N	Set Price
Art Pattern Roll Set	204-102	\$95.00
Blank Roll Set (non-machined)	204-002	\$60.00
Body Line Roll Set	204-084	\$95.00
Full Radius Tank Roll Set	204-083	\$95.00
Hem Roll Set Combo	204-037	\$250.00
Hem Roll Step #1 (1/4" 90°)	204-059	\$135.00
Hem Roll Step #1 (3/8" 90°)	204-008	\$135.00
Hem Roll Step #2 (140°)	204-060	\$105.00
Hem Roll Step #3 Flat	204-068	\$60.00
Shear Roll Set	204-058	\$125.00
Standard Tank Roll Set	204-070	\$95.00
Spoiler Roll Set	204-072	\$135.00
Tipping Roll Set	204-101	\$95.00
30° Angle Roll Set	204-069	\$95.00
90° 1/2" Angle Roll Set	204-500-B	\$160.00
90° 3/4" Angle Roll Set	204-750-B	\$160.00

Specialty Roll Diagrams (See p. 19)

High Crown Bead Roll Sets 2-1/2" OD/ 8-1/2" OD

204-24, 204-24NV, 204-36, & 204-36NV Powered Bead Rollers

High Crown Rolls allow more throat height usage



2-1/2" OD
Upper Roll

8-1/2" OD
Lower Roll

High Crown Rolls
Available with same shapes as 5 1/2 OD Bead Roll Sets
Add Letters "HC" to the End of the Part Number
Example: 1/8" Round Bead Roll 204-125-HC

Order Toll Free 1-800-467-2464

High Throat Bead Rolls



Rotary Machine Kit

14" Throat Variable Speed Rotary Machine Kit

Includes #200-009 Depth Stop & One Roll Set (Value \$105.00 - Your Choice)

- 7/8" Throat Height
- 3/8" Plate Construction
- Ideal for Production Work
- Keyed Shafts 1/8 X 1/16
- Electric Motor With Magnetic Disc Brake
- Variable Speed, Foot Pedal Operated 0 - 24 RPM
- Needle Bearings
- Ships UPS 95 Lbs.



Model 200-14NV \$3200.00

**Max Capacity:
14Ga. (.075") Mild Steel**

10" Throat Variable Speed Rotary Machine Kit

Includes #200-009 Depth Stop & One Roll Set (Value \$105.00 - Your Choice)



Model 200-10NV \$2500.00

- 1-1/8" Throat Height
- 2" x 3" x 3/16" Tube Construction
- Electric Motor With Magnetic Disc Brake
- Variable Speed, Foot Pedal Operated 0 - 24 RPM
- Keyed Shafts 1/8 X 1/16
- Oilite Bushings
- Ships UPS 65 Lbs.

**Max Capacity:
16Ga (.060") Mild Steel**

Rotary Machine Accessories



H- Frame

Model 200-031 \$100.00



Rolling W/ Locking Casters

Model 200-150 \$150.00

Depth Stop



Depth Stop

Model 200-009 \$75.00

Roll Holder

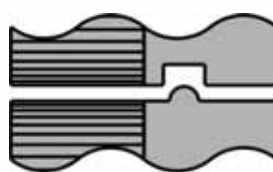


Roll Holder

Model 200-RH \$75.00

Rotary Machine Roll Sets

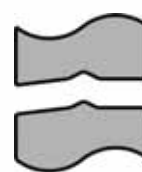
Specialty Roll Sets	Steel P/N	Set Price
Combo 2" Crimp & 5/16" Bead (Contains a Crimp Roll Set & a Bead Roll Set)	201-081-K	\$200.00
2" Crimp Roll Set	201-003-K	\$180.00
Duct Work "V" Groove Roll Set	201-079-K	\$105.00
Elbow Edge Roll Set	201-064-K	\$105.00
Fire Damper Roll Set	201-055-K	\$150.00
Hem Roll Step #1 (1/4" 90°)	201-059-SK	\$105.00
Hem Roll Step #1 (3/8" 90°)	201-008-SK	\$105.00
Hem Roll Step #2 (140°)	201-060-SK	\$105.00
Hem Roll Step #3 Flat	201-068-K	\$75.00
Gore Edge Roll Set	201-054-K	\$105.00
Offset Swedge Roll Set	201-078K	\$105.00
OGEE Roll Set	201-074-K	\$105.00
Shear Roll Set	201-058-K	\$105.00
Spin Collar #1 Roll Set	201-051-K	\$105.00
Spin Collar #2 Roll Set	201-052-K	\$105.00
Turning Roll Set	201-053-K	\$105.00
Flange Roll Sets	Steel P/N	Set Price
1/4" Flange Roll Set	201-057-K	\$105.00
3/8" Flange Roll Set	201-056-K	\$105.00
Edge Bead Roll Sets	Steel P/N	Set Price
1/8" Edge Bead Roll Set	201-125-EK	\$105.00
3/16" Edge Bead Roll Set	201-188-EK	\$105.00
1/4" Edge Bead Roll Set	201-250-EK	\$105.00
5/16" Edge Bead Roll Set	201-313-EK	\$105.00
3/8" Edge Bead Roll Set	201-375-EK	\$105.00
1/2" Edge Bead Roll Set	201-500-EK	\$105.00
Round Bead Roll Sets	Steel P/N	Set Price
1/8" Round Bead Roll Set	201-125-K	\$105.00
3/16" Round Bead Roll Set	201-188-K	\$105.00
1/4" Round Bead Roll Set	201-250-K	\$105.00
5/16" Round Bead Roll Set	201-313-K	\$105.00
3/8" Round Bead Roll Set	201-375-K	\$105.00
1/2" Round Bead Roll Set	201-500-K	\$105.00
1" Round Bead Roll Set	201-100-K	\$105.00
Flat Bead Roll Sets	Steel P/N	Set Price
1/8" Flat Bead Roll Set	201-125-FK	\$105.00
3/16" Flat Bead Roll Set	201-188-FK	\$105.00
1/4" Flat Bead Roll Set	201-250-FK	\$105.00
5/16" Flat Bead Roll Set	201-313-FK	\$105.00
3/8" Flat Bead Roll Set	201-375-FK	\$105.00
1/2" Flat Bead Roll Set	201-500-FK	\$105.00
Step Roll Sets	Steel P/N	Set Price
1/16" Step Roll Set	201-062-SK	\$105.00
1/8" Step Roll Set	201-125-SK	\$105.00
45° Step Roll Set	201-045-SK	\$105.00



Combo Crimp & Bead
(2 roll set)



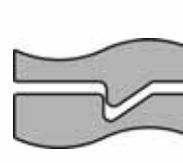
2" Crimp Roll Set



Duct Work "V" Set



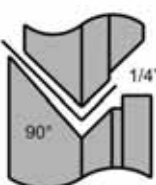
Elbow Edge Set



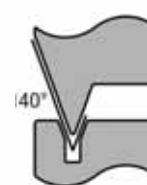
Fire Damper Set



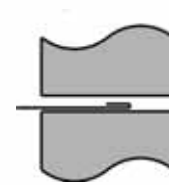
Flange Roll Set



Hem Step #1



Hem Step #2



Hem Step #3



Gore Edge



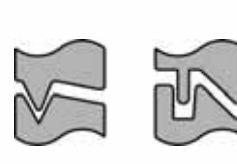
Off Set Swedge



OGEE Set



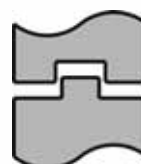
Shear Roll



Step 1 Step 2
Spin Collar



Round Bead Roll



Flat Bead Roll



Std. Step Roll



45° Step Roll

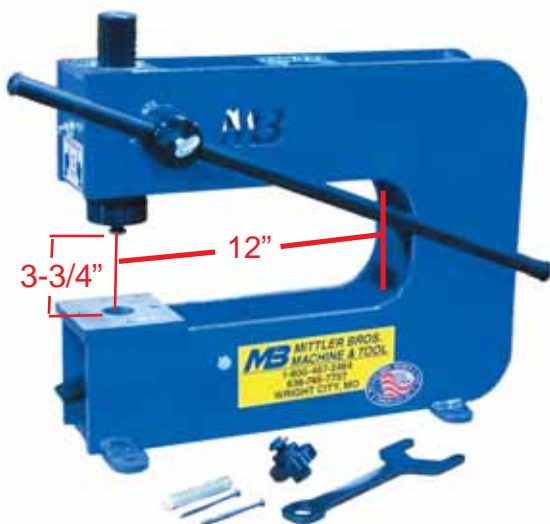
All Standard Roll Sets
2-1/2" OD x 3/4" ID

See www.mittlerbros.com or
Call For More Detailed Information

Roll Sets for Rotary Machines Use a 1/8" keyway



Manual & Hydraulic Bench Presses



3 Ton Manual Bench Press



5 Ton Hydraulic Bench Press

- Rugged 5/16" Welded Plate Construction for Manual Press
- Includes Slug Ejector, Spring Loaded Centering Pin & Arbor Nut Wrench
- Maximum Tooling Capacity For Both Presses Is 3" Punch & Flare & 16 gauge Mild Steel
- 3/8" Plate Construction for Hydraulic Press
- Mount Tooling for Front to Back use or Rotate 90° for side to side use
- 1" Clearance Between Mounted Tooling
- Can be Used as Standard Press or Arbor Press

3 Ton Manual Bench Press **Model 2200-M \$575.00**

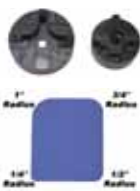



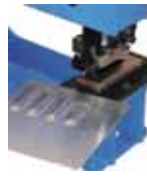



5 Ton Hydraulic Bench Press **Model 2200-H \$750.00**

Hydraulic Pump Sold Separately

Accessories

Accepts All Bench Press & Louver Press Tooling (p. 26-27)

Most Tooling mounts for front to back use or rotate 90° for side to side use

 <p>Corner Radius Punch</p>	 <p>90° Degree Bend</p>	 <p>Corner Punch</p>	 <p>Shear</p>	 <p>Louver Punch / Die</p>	 <p>Shrinker / Stretcher Deep Throat</p>	 <p>Punch & Die Mounting Kit Round, Square & Oblong Punches</p>	 <p>Punch & Flare</p>
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90 PSI Compressed Air
Air Hydraulic Pump, 6' Hose & Fitting
Model 900-504-6 \$595.00



115v. 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump, 6' Hose & Fitting
Model 900-508-6 \$1,580.00

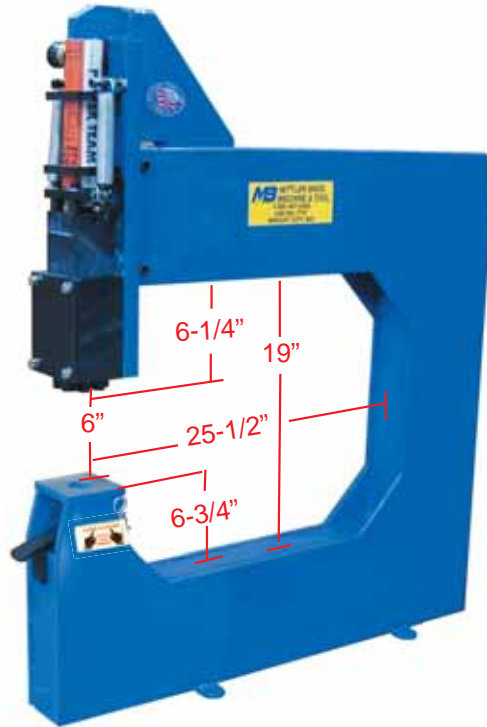


Optional Floor Stand with Locking Casters
Model 3100-100 \$250.00

10 Ton Hydraulic Bench Press



10 Ton Hydraulic Bench Press



Maximum Tooling Capacity
3" Punch & Flare &
14 gauge Mild Steel



Check Out
Demo Videos
On Our Website
www.mittlerbros.com



- Rugged Welded Plate/ Box Tube Construction
- Mount Tooling For Straight in use or Rotate 90° for side to side use
- Includes Slug Ejector, Spring Loaded Centering Pin, Tool Mount Adapter & Arbor Nut Wrench
- Can be Used as Standard Press or Arbor Press
- 3" Maximum clearance between tooling
- Ideal for production work

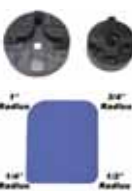







10 Ton Hydraulic Bench Press **Model 2210-H \$2,150.00**

Hydraulic Pump Sold Separately

Accessories

Accepts All Bench Press & Louver Press Tooling (p. 26-27)

Most Tooling mounts for front to back use or rotate 90° for side to side use

 Corner Radius Punch	 90° Degree Bend	 Corner Punch	 Shear	 Louver Punch / Die	 Shrinker / Stretcher Deep Throat	 Punch & Die Mounting Kit Round, Square & Oblong Punches	 Punch & Flare
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90 PSI Compressed Air
Air Hydraulic Pump, 10' Hose & Fitting
Model 900-504-10 \$625.00



115v. 1Ph 60Hz with 10' Operator Cord
Electric Hydraulic Pump, 10' Hose & Fitting
Model 900-508-10 \$1610.00



Optional Floor Stand with Locking Casters
Model 2900-300 \$300.00

Order Toll Free 1-800-467-2464



Bench Press Accessories

Fits All Bench Presses & Louver Press Kits

Most Tooling mounts for front to back use or rotate 90° for side to side use



Shrinker / Stretcher Deep Throat

Extra throat clearance when shrinking or stretching panels.
Mounts in Bench Press (#2200-M, #2200-H, #2210-H) & Louver Press Kit



Shrinker / Stretcher Deep Throat Set with Adaptors

Model 550-100 **\$300.00**

Shrinker Deep Throat Set with Adaptors

Model 550-101 **\$195.00**

Stretcher Deep Throat Set with Adaptors

Model 550-102 **\$195.00**

Corner Radius Punch



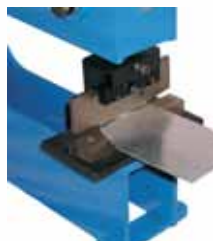
Create uniform rounded corners.

Model 2200-4RCP (1/4", 1/2", 3/4", 1") **\$250.00**

Model 2200-020-A (1-1/4", 1-1/2", 1-3/4" & 2") **\$350.00**

Max Capacity: 8 Ga. (.125") Soft Alum. 16Ga (.062") Mild Steel

Shear



Great for cutting sheet metal up to 19ga mild steel. Cut your blanks for the corner punch & 90° break shown below.

Model 2200-SA.....**\$195.00**

Max Capacity: 19Ga (.040") Mild Steel

Corner Punch



Great for making those little boxes and trays. Creates 1/8" x 1/8" to 1-1/2" x 1-1/2" cut out. 16ga mild steel

Model 2200-CPA.....**\$195.00**

Max Capacity: 16Ga (.060") Mild Steel

90° Degree Bend



Finish up those boxes & trays with this handy brake. Includes Ram Adapter

Model 2200-90DA.....**\$195.00**

Max Capacity: 11Ga (.120") Mild Steel

Bench Press Louver Punch / Die



Order a **Bench Press Louver Punch Start Up Kit**, with the size of punch you want, from the top list below. After that you will just have to order the **Individual Louver Punch Die Sets** from the bottom list.

Max Capacity: 16 Ga Mild Steel

BENCH PRESS LOUVER PUNCH START UP KITS

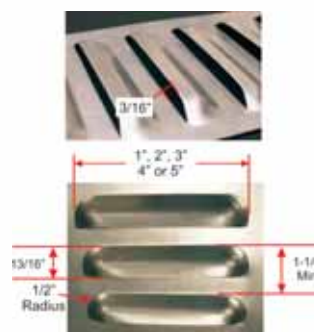
1"	2200-LA-01	\$775.00
2"	2200-LA-02	\$775.00
3"	2200-LA-03	\$775.00
4"	2200-LA-04	\$795.00
5"	2200-LA-05	\$795.00
3" Dome	2200-LA-06	\$795.00
4" Dome	2200-LA-07	\$795.00

INDIVIDUAL LOUVER PUNCH DIES

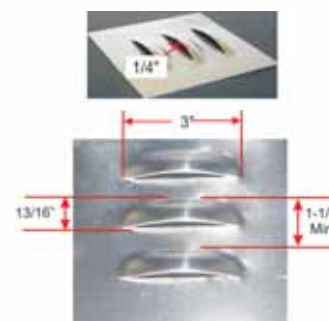
1"	500-041	\$475.00
2"	500-042	\$475.00
3"	500-043	\$475.00
4"	500-044	\$495.00
5"	500-045	\$495.00
3" Dome	500-046	\$495.00
4" Dome	500-047	\$495.00

Louver Dimensions

Standard



Dome



Dzus Punch



Includes:
#5 (1" Spacing)
#6 (1-3/8" Spacing).

Max Capacity
19 Ga (.040") Mild Steel
18 Ga (.040") Aluminum

Model 2200-DZ-5/6...**\$295.00**

Automotive Punch & Flare Tools



Automotive Punch & Flare Sets

1"	1300-013	\$105.00
1-1/4"	1300-014	\$105.00
1-1/2"	1300-015	\$120.00
1-3/4"	1300-016	\$120.00
2"	1300-017	\$130.00
2-1/2"	1300-018	\$130.00
3"	1300-020	\$145.00

Punch & Flare Kit 1" thru 2-1/2"

Model 1300-402 \$650.00

Punch & Flare Set 1" thru 3"

Model 1300-403 \$775.00

Punch & Flare



Punch & Bead



Automotive Punch & Bead Sets

1"	1300-013-B	\$105.00
1-1/4"	1300-014-B	\$105.00
1-1/2"	1300-015-B	\$120.00
1-3/4"	1300-016-B	\$120.00
2"	1300-017-B	\$130.00
2-1/2"	1300-018-B	\$130.00
3"	1300-020-B	\$145.00

Punch & Bead Kit 1" thru 2-1/2"

Model 1300-402-B \$650.00

Punch & Bead Kit 1" thru 3"

Model 1300-403-B \$775.00

Material Thickness Range:

Aluminum 18Ga (.040") to 14Ga. (.062")

Mild Steel 19Ga. (.040") to 16Ga. (.062")

Stainless Steel 19Ga. (.040")

Just drill a pilot hole for the draw bolt, then apply the tool and tighten the bolt for a smooth, flared or beaded hole in one easy step. Punch hole only by removing female flare ring and use punch and die. Easily mounts in our Bench Presses.



Automotive Punch / Flare

**Aircraft Style
Punch & Flare Tools Available
for (.020")-(.040") Aluminum
See page 43 for Aircraft Punches**



Aircraft Punch / Flare

Gauge Hole Punches

2-1/16" Hole Punch **Model 1300-028 \$105.00**

2-5/8" Hole Punch **Model 1300-021 \$105.00**

2-1/4" Hole Punch **Model 1300-026 \$105.00**

3-3/8" Hole Punch **Model 1300-030 \$195.00**

(Small Autometer tachometer)

Punch & Die Sets

Round, Oblong, Square & Hex

Punch & Die Mounting Kit

Includes Coupling Nut & Die Holder

Model 2200-040 \$150.00

(Required for Round, Oblong, Square, Hex, & Metric Punch & Die Sets
Punch & Die Sold Separately)

Max Capacity
16 Ga (.062") Mild Steel
12 Ga (.080") Aluminum



**WHEN
ORDERING
Punch & Die Sets
Provide:
Material Type &
Material Thickness
to Determine
Die Clearance**

PUNCH & DIE SET

2200-515 Round Punch / Die Set **\$80.00/ set**
(w/Urethane Stripper)

3/16"	1/2"	13/16"
1/4"	9/16"	7/8"
5/16"	5/8"	15/16"
3/8"	11/16"	1.0"
7/16"	3/4"	

#**2200-516** Oblong Punch / Die Set - **\$190.00/ set**
3/16" x 3/4" to 13/16" x 1" (w/Urethane Stripper)

#**2200-517** Square Punch / Die Set - **\$215.00/ set**
1/4" x 1/4" to 13/16" x 13/16" (w/Urethane Stripper)

#**2200-518** Hex Punch / Die Set - **\$215.00/ set**
11/32" to 27/32" (w/Urethane Stripper)

2200-520 Metric Round Punch / Die Set - **\$95.00/ set**
4.7mm to 19mm (w/Urethane Stripper)

Order Toll Free 1-800-467-2464



Dimple / Flare Tools



Dimple Dies

- Adds Strength
- Enhanced Appearance
- Max Capacity:
0.125" Mild Steel &
4130 Chrome Molly



Dimple Dies

1/2"	1310-301	\$60.00
3/4"	1310-302	\$60.00
1"	1310-303	\$75.00
1-1/4"	1310-304	\$90.00
1-1/2"	1310-305	\$110.00
1-3/4"	1310-306	\$125.00
2"	1310-307	\$145.00
2-1/2"	1310-308	\$190.00
3"	1310-309	\$210.00

4 Piece Dimple Die Kit
(1/2", 1", 1-1/2", & 2")

Model # 1310-310 \$330.00

5 Piece Dimple Die Kit
(1/2", 1", 1-1/2", 2" & 2-1/2")

Model # 1310-311 \$500.00

6 Piece Dimple Die Kit
(1/2", 1", 1-1/2", 2", 2-1/2" & 3")

Model # 1310-312 \$675.00

7 Piece Dimple Die Kit
(1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", & 2")

Model # 1310-313 \$480.00

9 Piece Dimple Die Kit
(1/2", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2" & 3")

Model # 1310-314 \$850.00

Flare Tools



Flare tool guide ring
centers tooling in your
precut hole then draw
together with supply bolt.

- Adds Strength
- Enhanced Appearance
- Max Capacity:
.063" Mild Steel &
4130 Chrome Molly

Automotive Flare Sets

1/2"	1300-001	\$45.00
5/8"	1300-002	\$45.00
3/4"	1300-003	\$45.00
1"	1300-004	\$45.00
1-1/4"	1300-005	\$45.00
1-1/2"	1300-006	\$50.00
1-3/4"	1300-007	\$50.00
2"	1300-008	\$50.00
2-1/2"	1300-009	\$50.00

Flare Kit 1/2" thru 2-1/2"

Model 1300-401 \$350.00

Louver Press Kit



Each kit includes:

- 10-Ton Hydraulic Ram
- Die Mounting Plate
- Precision Slide Assembly
- Blueprints, Bill of Material and Instructions for building a 48" Throat Louver Press Frame.

Maximum Tooling Capacity
3" Punch & Flare &
14 gauge Mild Steel



Frame To
Be Built By
Customer

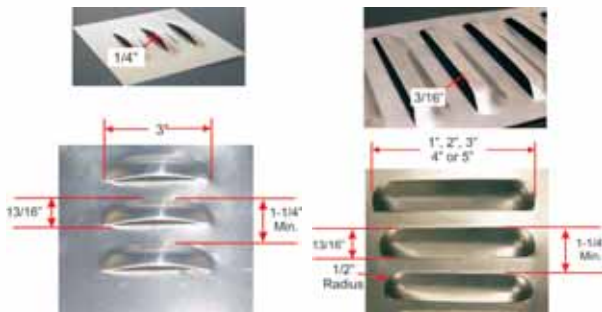
Frame To
Be Built By
Customer

Hydraulic Pump
Sold Separately



Dome

Standard



LOUVER PRESS KIT

(With Hydraulic Ram & Slide Assembly)

1"	500-LA-041	\$1725.00
2"	500-LA-042	\$1725.00
3"	500-LA-043	\$1725.00
4"	500-LA-044	\$1725.00
5"	500-LA-045	\$1725.00
3" Dome	500-LA-046	\$1725.00
4" Dome	500-LA-047	\$1725.00

INDIVIDUAL LOUVER PUNCHES/DIE

(Punch & Die only)

1"	500-041	\$475.00
2"	500-042	\$475.00
3"	500-043	\$475.00
4"	500-044	\$495.00
5"	500-045	\$495.00
3" Dome	500-046	\$495.00
4" Dome	500-047	\$495.00

Accessories

Air Hydraulic Pump, 20' Hose & Fitting
Model **900-504-20** **\$635.00**
90 PSI Compressed Air



Electric Hydraulic Pump, 20' Hose & Fitting
Model **900-508-20** **\$1620.00**
115v. 1Ph 60Hz with 10' Operator Cord



Accepts All Bench Press & Louver Press Tooling (p. 26-27)

Most Tooling mounts for front to back use or rotate 90° for side to side use

<p>Corner Radius Punch</p>	<p>90° Degree Bend</p>	<p>Corner Punch</p>	<p>Shear</p>	<p>Louver Punch / Die</p>	<p>Shrinker / Stretcher Deep Throat</p>	<p>Punch & Die Mounting Kit Round, Square & Oblong Punches</p>	<p>Punch & Flare</p>
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Power Hammer

A Rugged, Robust Machine for the Metalworking Professional

Shaping, Shrinking & Stretching, and Soft Dies allow you to create compound shapes quickly & easily. The upper hammer stroke is adjustable to help produce the general shape and complete the finish work as well. A leather strap & leaf spring support the upper die assembly, which provides a cushioned blow that closely simulates shaping metal with a bossing mallet and shot bag. This allows a more controlled movement of the metal, unlike other methods which use metal to metal dies.

Throat Depth: 26"
1 Horsepower Motor
Approx 900 Blows Per Minute
Based on 60 lb. Yoder M2 Hammer



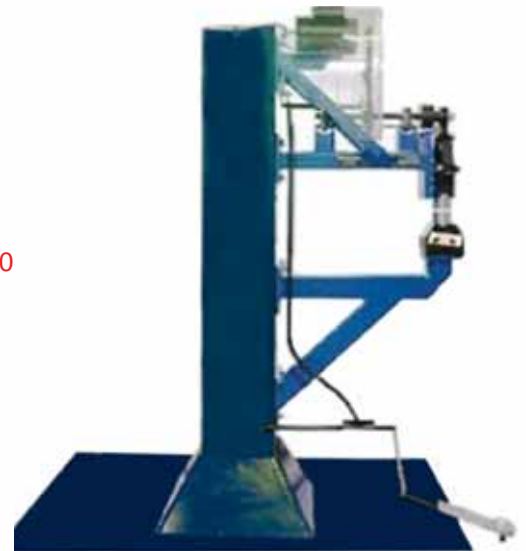
Double Headed Power Hammer
Model 4200-100

Double Headed Power Hammer Kit Model 4200-100 \$12,490.00

Two Power Hammer Assemblies Mounted on Fabricated Upper & Lower Arm Weldments, Assembled & Mounted on Pedestal, Adjustments & Calibrations Properly Set, Factory Tested, Includes 1 complete set of Power Hammer Dies (8 Dies).

Single Head Power Hammer Kit Model 4200-150 \$7,495.00

One Power Hammer Assembly Mounted on Fabricated Upper & Lower Arm Weldments, Assembled & Mounted on Pedestal, Adjustments & Calibrations Properly Set, Factory Tested - Includes 1 Upper Flat Die & 1 Lower Radius Die



Single Head Power Hammer Kit
Model 4200-150



Power Hammer - Single Head
Less Upper & Lower Arm Weldments & Pedestal
Model 4200-200

Power Hammer - Single Head Model 4200-200 \$2,595.00

Includes Ram, Anvil, Flywheel, Spring & Belting, 1 HP Motor, 3" Motor Pulley, 6" Motor Pulley, Rod End Bearings (2), Clutch Return Spring, Clutch Idler Pulley w/ Bolt & Spacer, Pillow Block Bearing(2), All Belts & Hardware, 1 Upper Flat Die & 1 Lower Radius Die,

(Customer must provide Upper & Lower Arm Weldments, and Pedestal)

Power Hammer



Fabricated Arms
Less Power Hammer Head & Pedestal
Model 4200-300

Fabricated Arms Model 4200-300 \$2,400.00

Upper & Lower Arm Weldment designed to support Power Hammer Kit - Price Includes Mounting of Power Hammer Kit on Arms, Adjustments & Calibrations Properly Set, Factory Tested (Power Hammer Kit Not Included in Price)



Power Hammer Pedestal
Less Fabricated Arms
Model 4200-400

Power Hammer Pedestal Model 4200-400 \$2,500.00

12" x 12" x 1/2" Wall - 84" High Tube mounted on a 4'x4'x1" Thick Base Plate.

Pedestal is predrilled with Support Arm Mount Holes. (Power Hammer Kit & Arms Not Included in Price)

Upper & Lower Arm Weldment & Pedestal Drawings

Model 4200-410 \$200.00 (Drawings Only)

Drawings Included with any of the Power Hammer Kits.

Power Hammer Dies

All Dies Precision Machined from the Highest Quality Steel for Long Life



(A) (B) (C) (D) (E) (F) (G) (H)

Die Type (Location)	Part #	Price
A Flat(Top)	4200-602-F (MCH-F)	\$175
B 4" Radius (Bottom)	4200-602-4 (MCH-4R)	\$175
C 6" Radius (Bottom)	4200-602-6 (MCH-6R)	\$175
D 12" Radius (Bottom)	4200-602-12 (MCH-12R)	\$175
E 24" Radius (Bottom)	4200-602-24 (MCH-24R)	\$175
F Stretching Set (2 Pieces)	4200-600-ST (MCH-L)	\$750
G Shrinking Set (2 Pieces)	4200-605-SH (MCH-SH)	\$750
H Soft Set (2 Pieces)	4200-603-SD (MCH-SD)	\$250
Complete Die Set (All Dies Listed Above)	4200-600	\$2,625*
Blank Die	4200-601 (MCH-BLANK)	\$100

* Complete Die Set Included with Double Headed Power Hammer Model #4200-100
\$2,250 if Purchased with Single Head Power Hammer Model #4200-150

Hands-On Training is Available, Please Call for Details

Order Toll Free 1-800-467-2464



Ultimate Box & Pan Brake

48" Standard Equipment



1", 2", 3" & (qty. 7) 6" Upper Fingers Shown in **Orange** /Black



1", 2", 3", 6" & (qty. 3) 12" Bed Fingers Shown in **Yellow** /Black



1", 2", 3", 6", 12" & 24" Apron Angle Fingers Shown in **Green** /Black

3 Segmented Finger Design
(Color Added for Clarity)

Shape Metal Quick & Easy, Save Time & Money!

- Bending Length: 48" w/ 49" of Clearance
- 125° Degree of Bend Max.
- 1/4" Reverse Bend Min. (with 1/4" Apron Fingers)
- 3-1/2" Depth of Box Max.
- 2" Down leg Max.
- Radius Finger Kits Available
- 1-1/2" Lift of Beam Max.
- Front to Rear Adjustment: 1"

Ultimate 48" 16ga Box & Pan Brake **Model 2800-48-16 \$3250.00**
(Floor Stand Optional)

The 48" & 72" ULTIMATE Box & Pan Brakes have a unique "3 Finger" design. This design incorporates moveable fingers on the bed and apron as well as the usual upper fingers. This design allows the operator to make bend combinations that were extremely difficult if not impossible before. The ULTIMATE Box & Pan Brake has wrenchless upper set back adjustments and is designed to bend 16 gauge(48" Model) or 18 gauge(72" Model) mild steel the full width with the included apron angle fingers. A complete set of upper fingers, bed fingers, apron angle fingers, and counterweight(s) are standard equipment.

Ultimate 72" 18ga Box & Pan Brake **Model 2800-72-18 \$5775.00**
(Includes Floor Stand)

- Bending Length: 72" w/ 73" of Clearance
- Counterweight at each end of Apron

Max Capacity for 72"
18ga (.050") Mild Steel
22ga (.031") Stainless
14ga (.064") Aluminum

72" Standard Equipment:
1", 2", 3" and (qty. 11) 6" Upper Fingers
1", 2", 3", 6" and (qty. 5) 12" Bed Fingers
1", 2", 3", 6", 12", and (qty. 2) 24" Apron Angle Fingers



48" @ 680lbs. w/ stand
48" @ 550lbs. w/o stand
Skid Size: 72"L x 24"W x 40"H

72" @ 1275lbs. w/ stand
Skid Size: 96"L x 36"W x 45"H



Max Capacity for 48"
16ga (.062") Mild Steel
20ga (.0375") Stainless
12 ga (.080") Aluminum



Wrenchless Upper Adjustment

Radius Fingers

Radius Fingers easily exchange for standard Upper Pinch Fingers to create radius bends for making and repairing aircraft, automotive, motorcycle panels, and general sheet metal fabrication.



Simple 90° Radius Bend
(requires optional radius fingers)

Upper Radius Finger Kits 12", 24", 36", 48", 60", or 72" Available

1/16" 2800-A255-K12 (12") \$275	1/16" 2800-A255-K48 (48") \$835
1/8" 2800-A260-K12 (12") \$275	1/8" 2800-A260-K48 (48") \$835
3/16" 2800-A270-K12 (12") \$275	3/16" 2800-A270-K48 (48") \$835
1/4" 2800-A280-K12 (12") \$275	1/4" 2800-A280-K48 (48") \$835
5/16" 2800-A290-K12 (12") \$275	5/16" 2800-A290-K48 (48") \$835

(radius is measured inside of bend)

See our website or call for additional kit information and pricing



Reverse Apron Fingers

Reverse Apron Fingers are easily exchanged for the standard Apron 3" Wide Angle Fingers to allow extremely tight 1/4" or 1/2" reverse bends for creating air boxes, instrument panels, interior panels, etc.



Reverse Inside Door Flange

Reverse Apron Finger Kits 12", 24", 36", 48", 60", or 72" Available

1/4" Thick 2800-A151-K12 (12") \$225	1/4" Thick 2800-A151-K48 (48") \$560
1/2" Thick 2800-A150-K12 (12") \$225	1/2" Thick 2800-A150-K48 (48") \$560

See our website or call for additional kit information and pricing



Box & Pan Accessories

Back Gauge kit



Apron Stop



Heavy Duty Stand
Sets Working Height to 38"



Stand Ships Truck
Freight
@ 130 lbs
57L x 24W x 22H

Heavy Duty Floor Stand For 48" Box & Pan Brake Model 2800-400 \$275.00

Apron Stop Model 2800-A360 \$100.00

Back Gauge Kit Model 2800-350-K \$100.00 (Pair)

Full Length Radius Bar For 48" Model 2800-A300-48 \$300.00

Full Length Radius Bar for 72" Model 2800-A300-72 \$350.00

Casters (2 Swivel, 2 Fixed) With Mount Bars & Hardware Model 2800-A420 \$100.00

Sheet Metal Bending Software / Bend-Tech SM Software Model 900-514 \$275.00 (See Page 13)

Ultimate Box & Pan Brake Sample Bends

Just a sample of the hundreds of bends the Ultimate Box & Pan can do!



Double Reverse 90°
Without Bending Side Legs



Triple 90° Radius Bend
w/ 90° Reverse Bend
(requires optional radius fingers)



Triple 90° Radius Bend w/ Offset Bend



45° Corner w/ Flanged Lip

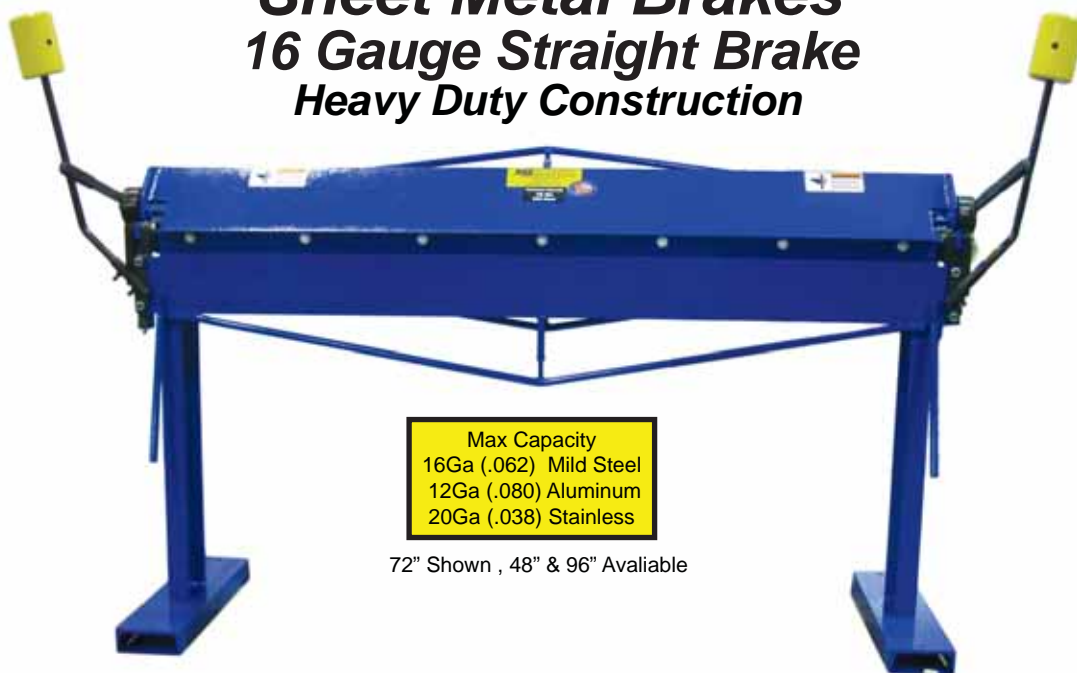
Order Toll Free 1-800-467-2464



Sheet Metal Brakes

16 Gauge Straight Brake

Heavy Duty Construction



Max Capacity
16Ga (.062) Mild Steel
12Ga (.080) Aluminum
20Ga (.038) Stainless

72" Shown , 48" & 96" Available

- 1-1/2" Lift of Beam Max
- 125° Degree of Bend Max
- 1/2" Reverse Bend Min
- Wrenchless 1" Set Back Adjustment
- Precision Machined Cam
- Bronze Bearing with Steel Pivot Pin
- 2 Counter Weights Included
- Legs Included on 72" & 96"

These 16 gauge models are designed for race car body and general shop fabrication. This design is not only economical, but also includes some of the same quality features of our Ultimate Box & Pan Brake. The Mittler Brothers 16 gauge brake is built to last.

48" 16 Gauge Bench Top Straight Brake Model **2800-4816S** **\$1450.00**

Heavy Duty Floor Stand For 48" Sheet Metal Brake Model **2800-400** **\$275.00**

72" 16 Gauge Straight Brake Model **2800-7216S** **\$2995.00**

96" 16 Gauge Straight Brake Model **2800-9616S** **\$3995.00**
(Industrial Series)

Sheet Metal Bending Software / Bend-Tech SM Software Model **900-514** **\$275.00** (See Page 13)

22 Gauge Brake

Ideal For .040 Aluminum Body Fabrication



Max Capacity:
22 Ga (.030") Mild Steel
18Ga(.040") Aluminum

72" Shown , 96" Available

- Precision Machined Cam
- Bronze Bearing with Steel Pivot Pin
- Wrenchless Upper Adjustments
- Legs Included

The MB 22 Gauge Brake is designed for race car body fabrication. This design is not only economical, but also includes some of the same quality features of our Ultimate Box & Pan Brake. The 72" & 96" Brakes include legs. The 96" Includes 1/2" Upper Radius Bar. The Upper Radius Bar is optional on the 72". (mounting holes are pre drilled in 72" brake)

72" 22 Gauge Brake Model **2800-7222S** **\$1150.00**

72" Radius Bar (Optional) Model **2800-A310-72** **\$150.00**

96" 22 Gauge Brake Model **2800-9622S** **\$1975.00**

52" Foot Shear



52" Foot Shear

- Precision Machined Steel Table
- 52" Cut w/ 52" Table
- Reversible Blades for Extended Life
- Adjustable Blade Clearance For Maximum Versatility
- Adjustable Front Leveling Feet
- Engraved Scale



Ships Truck Freight
@ 985 lbs
72"L x 40"W x 53"H

Optional Back Gauge Kit

Max Capacity
16Ga (.062") Mild Steel
12Ga (.080") 6061 Aluminum
24Ga (.025") Stainless

Ultimate 52" 16ga Foot Shear Model **3000-52-16** **\$3,325.00**
Back Gauge Kit Model **3000-52-200** **\$350.00**

Radius Brakes



Front View

Back View

4' Radius Brake
Model **2800-4816RB**

Standard Equipment

- 1/2" plate construction
- 16 ga capacity (18 ga on 8') in mild steel
- Quick tooling change over
- Convenient radius roll storage on machine
- 1", 2", 2-1/2", 3", & 4" diameter tubes included with 6' and 8' machines.
- 1", 2", 3", 4", 5", and 6-5/8" diameter tubes included with 4' machine
- Note: Tube sizes do not necessarily refer to finished part radius. Material type and thickness will affect the true finished radius.



6' Radius Brake
Model **2800-7216RB**

4' Radius Brake

Model **2800-4816RB** **\$2095.00**
(6 Radius Tubes & 1 Radius Head) (Ship Weight-750 lbs)

6' Radius Brake

Model **2800-7216RB** **\$2195.00**
(5 Radius Tubes & 1 Radius Head) (Ship Weight-840 lbs)

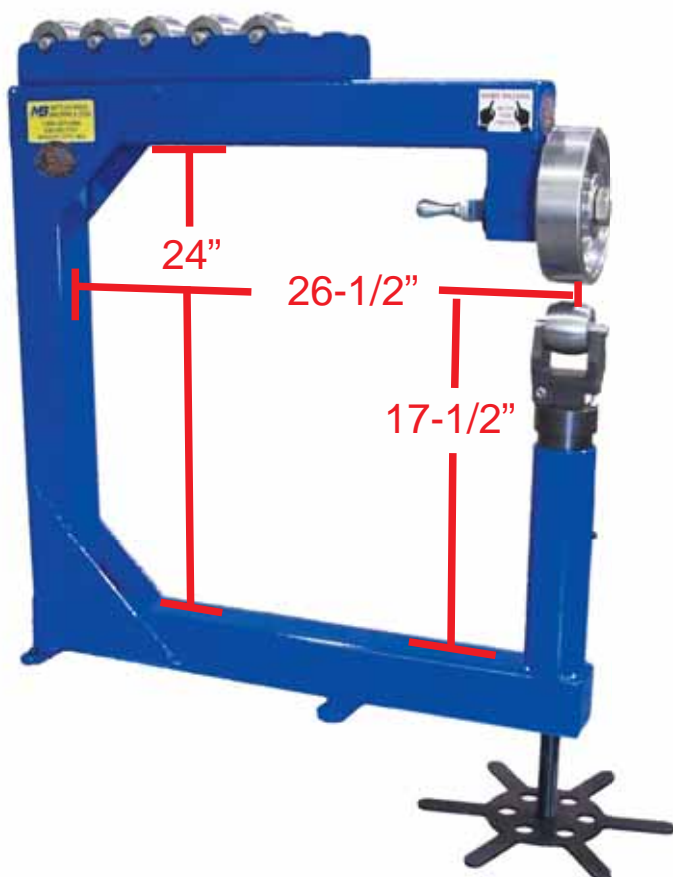
8' Radius Brake

Model **2800-9618RB** **\$2695.00**
(5 Radius Tubes & 1 Radius Head) (Ship Weight-1080 lbs)

Order Toll Free 1-800-467-2464



Bench Mount English Wheel



- 26-1/2" Deep Throat
- 17-1/2" From Bottom frame to Top of Anvil Wheel
- 2-1/2" OD - 2" Wide Anvils & 7" OD x 2" Wide Top Wheel
- Rugged 3" x 4" x 1/4" Tube construction
- Adjustable Anvil Wheel Angle
- Kick Wheel Manual Pressure Adjustment
- Cam Action Release on Top wheel For Quick & Easy Anvil Change-Out
- Ships UPS - 2 Boxes (129 Lbs & 38 Lbs)

Max Capacity:
16Ga (.060") Mild Steel
10Ga (.100") Soft Aluminum

Std. Bench Mount Welded English Wheel Model 2900 **\$1,425.00**
Completely finished as shown

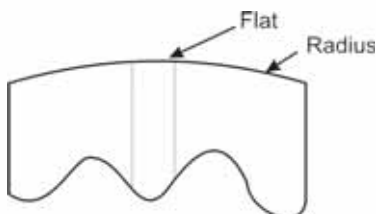
Bench Mount Unwelded English Wheel Kit Model 2900-K **\$1150.00**
Unwelded kit includes all machined parts, top wheel assemblies, 6 anvils wheels, cut to length frame material, detailed step by step instructions and blueprints.

Optional Floor Stand With Locking Casters Model 2900-300 **\$300.00**
(for model 2900 & 2910)



Anvil Wheels

CNC Machined In House
Heat Treated Steel
Hard Turned & Polished
After Heat Treat
For Concentricity



Edging Anvil
Model 2900-A6



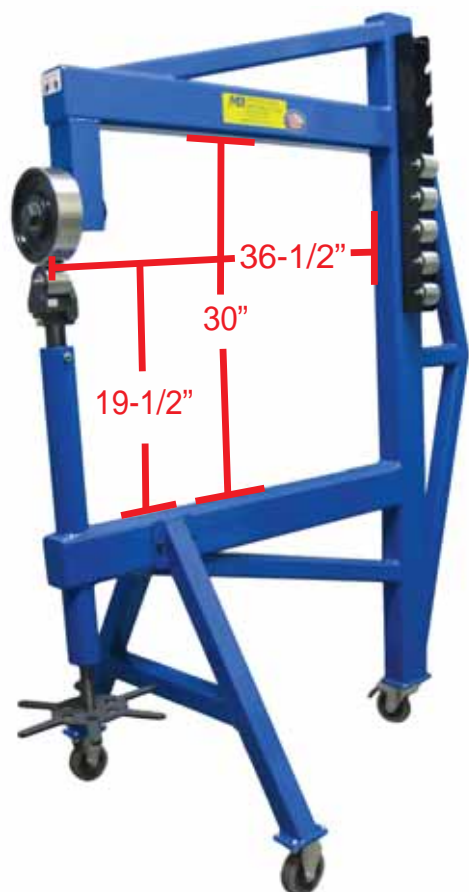
Deep Reach Anvil
Model 2900-A7



2-1/2" Dia x 2" Wide	Part #	Price
Flat	2900-A0	\$95ea
12" Rad w/ 3/4" Flat	2900-A1	\$95ea
8-1/2" Rad w/ 1/2" Flat	2900-A2	\$95ea
5" Rad w/ 3/8" Flat	2900-A3	\$95ea
3-1/4" Rad w/ 1/4" Flat	2900-A4	\$95ea
2-3/8" Rad w/ 1/8" Flat	2900-A5	\$95ea
Set of Wheels Above (6 Wheels)	2900-A	\$525
Edging Anvil	2900-A6	\$99ea
Deep Reach Anvil	2900-A7	\$99ea

Floor Model English Wheel

A Rugged, Robust Machine for the Metalworking Professional



- Free Standing
- 72" Overall Height
- 50" Overall Depth
- 36-1/2" Deep Throat
- 30" Throat Height
- 2-1/2" OD x 2" Wide Anvil Wheels - Quantity: 6
- 7" OD x 2" Wide Upper Wheel
- Built in Anvil Wheel Holder
- Rugged 3" x 4" x 1/4" Tube construction
- Adjustable Anvil Wheel Angle
- Cam Action Release on Top wheel For Quick & Easy Anvil Change-Out
- Kick Wheel Manual Pressure Adjustment
- Casters - 2 Fixed, 1 Swivel with Lock

Max Capacity:
16Ga (.060") Mild Steel
10Ga (.100") Soft Aluminum



Floor Model English Wheel Model **4000** **\$2495.00**
Completely finished as shown above

Floor Model English Wheel Model **4010** **\$2995.00**
With 9" OD x 3" Wide Upper Wheel & 3" OD x 3" Wide Lower Wheels

Metal Shaper Station

Specifications:

Working Height.....47"
Width.....52"
Depth.....55"
Max. Anvil Opening.....1"
Weight.....475 lbs.
Upper Wheel.....2" wide x 4-1/2" Dia.
Rolls.....Case Hardened

Unique Upper Wheel "CAM" Release

6 Anvil Wheels Included
2-1/2" Dia x 2" Wide;
2900-A0 = Flat
2900-A1 = 12" Rad w/ 3/4" Flat
2900-A2 = 8-1/2" Rad w/ 1/2" Flat
2900-A3 = 5" Rad w/ 3/8" Flat
2900-A4 = 3-1/4" Rad w/ 1/4" Flat
2900-A5 = 2-3/8" Rad w/ 1/8" Flat
CNC Machined
Heat Treated Steel



Metal Shaping Work Cell:

- **Hammering / Blocking** to pre-form the custom aluminum or steel parts;
- **Wheeling and raising** metal panels;
- **Shrinking or stretching**;
- **Planishing**; Perfect for motorcycle tanks, hood scoops, fender flares, door skins, etc.

Foot Operated Shrinker / Stretcher

Max Capacity:
16Ga (.060") Mild Steel
10Ga (.100") Soft Aluminum



Metal Shaper Station Model **3200** **\$4425.00**

Complete with Stand, Shrinker / Stretcher Body with Jaws, 1 Forming Head (MFH09 Classic Bowl), 12" Shot Bag, 6 Lower Anvil Wheels

Order Toll Free 1-800-467-2464



Shrinker / Stretcher

Made In The USA By Lancaster



POWER SHRINKER-STRETCHER

Model 560.....\$650.00
(Complete as shown)

- Perfect for Curved Angles and Channels
- 80 - 120 PSI Air Pressure at 20 CFM
- Speed Adjustable Air Cylinder
- Easy Switch Over With Quick Release Pin
- Foot Pedal Control Leaves Both Hands Free to Guide Work
- Rugged Welded and Coated Frame

Max Capacity
16 Ga (.062") Mild Steel
14 Ga (.062") Aluminum
19 Ga (.043") Stainless

Shrinker / Stretcher Deep Throat



Extra throat clearance when shrinking or stretching panels.
Mounts in Bench Press
(#2200-M, #2200-H, #2210-H) & Louver Press

Shrinker / Stretcher Deep Throat Set with Adaptors

Model 550-100 \$300.00

Shrinker Deep Throat Set with Adaptors

Model 550-101 \$195.00

Stretcher Deep Throat Set with Adaptors

Model 550-102 \$195.00

COMBO SHRINKER-STRETCHER SET



Combo Shrinker & Stretcher

Model 550-CU \$270.00
(1 Body with one set of shrinker jaws & one set of stretcher jaws)

SHRINKER-STRETCHER SET



Shrinker & Stretcher Bodies

Model 550-STSH \$365.00
(1 Shrinker Body w/Jaws, Handle & 1 Stretcher Body w/ Jaws, Handle)

STD. POWER KIT ONLY (NO BODIES)



Std. Power Kit Only
Model 560-NB \$375.00
(complete as shown)

INDIVIDUAL BODIES

Shrinker Body Model 550-MSHR \$185.00
(1 Shrinker Body w/Jaws & Handle)

Stretcher Body Model 550-MSTR \$185.00
(1 Stretcher Body w/Jaws & Handle)

REPLACEMENT JAW SETS



Stretcher Jaw Set Model 550-512 \$115.00
Shrinker Jaw Set Model 550-511 \$115.00



FLOOR STAND

Floor Stand
with Locking Casters
Model 3100-100 \$250.00

Planishing Hammers



12" Planishing Hammer



24" Planishing Hammer

Speed up fabrication time on complex multi form aluminum and steel panels for making those impossible to find replacement parts.

- 4600 Hits Per Minute @ 90 PSI
- Adjuster Sets Load Force and makes Anvil Changes Easy
- Foot Pedal Control for Hands Free Operation
- 12" & 24" Throat Depth Available
- Billet aluminum hammer mounting block eliminates all slippage



12" Planishing Hammer with 9 Radius Steel Anvils Model **2700** **\$850.00**

24" Planishing Hammer with 9 Radius Steel Anvils. Model **2700-24** **\$999.00**

Capacity
18Ga (.048") Mild Steel
13Ga (.062") Soft Aluminum (1100/3003)



Optional Floor Stand with Locking Casters
Model 3100-100 \$250.00

Planishing Hammer Anvils

3/4" Rad.	2700-010	\$50.00
1-1/2" Rad.	2700-011	\$50.00
2" Rad.	2700-012	\$50.00
3" Rad.	2700-013	\$50.00
4" Rad.	2700-014	\$50.00
6" Rad.	2700-015	\$50.00
8" Rad.	2700-016	\$50.00
12" Rad.	2700-017	\$50.00
Flat	2700-018	\$50.00
Complete 9 Pc. Set	2700-100	\$375.00
Upper Anvil Head	2700-516	\$50.00

Hand Tools

AIR RIVET GUN

Lightweight, heavy-duty professional Sets 3/32", 1/8", 5/32", 3/16" steel and aluminum blind rivets without adjustments by changing the nose bushing.

Model **62780** \$83.50



SWIVEL RIVETING TOOL

Rotates 360° and rivets in any position. High leverage handles for added power. Hardened steel construction for long life. Extended nose for hard to reach places. Will pull 3/32", 1/8", 5/32", & 3/16" rivets.

Model **MB-TP844** \$50.00



BEVERLY THROATLESS SHEARS

Throatless shears are ideal for all-purpose metal cutting tools. They permit any desired cut in heavy gauge materials while still handling lighter gauges without distortion.

14 GAUGE B-1 THROATLESS SHEAR

18 lbs.
14 gauge mild steel capacity.
18 gauge stainless capacity.
18" height (Less handle).
4-1/4" blade length.

Model **MB-TP253** \$640.00

Model **MB-TP253B - BLADES** \$155.00

10 GAUGE B-2 THROATLESS SHEAR

35 lbs.
10 gauge mild steel capacity.
14 gauge stainless capacity.
15" height (less handle).
4-3/8" blade length.

Model **MB-TP254** \$905.00

Model **MB-TP254B - BLADES** \$165.00

7 GAUGE B-3 THROATLESS SHEAR

58 lbs.
7 gauge mild steel capacity.
10 gauge stainless capacity.
15" height (less handle).
5-5/8" blade length.

Model **MB-B3** \$1,315.00

Model **MB-B3B - BLADES** \$195.00



BEVERLY SLITTING SHEAR

10.5 lbs
Equipped with high carbon, high chrome blades.
10 gauge mild steel slitting capacity.
3/16" mild steel trimming capacity.
3/16" x 2" bar stock capacity.
8" height (less handle).
3-1/2" blade length.
14 gauge stainless capacity.

Model **MB-TP257** \$420.00



SMALL FLUTING PLIER

.4 lbs
Polished machined jaws.
Forged steel construction and hardened.
Cushion grip handles.
9-1/2" length.

Model **MB-TP722** \$32.00



Fluting pliers are commonly used to form and stiffen ribs in cowlings. The **MB-TP162** leaves a large flute and is useful for bigger jobs while the small flute of the **MB-TP722** is ideal for more exacting work and small parts.

LARGE FLUTING PLIERS

.39 lbs
Jaws are covered with a special heavy phenolic coating to "cushion the bite".
Quality drop forged tool.
Plastic grip handles.
8" Length.

Model **MB-TP162** \$18.00



HAND SEAMER

1.5 lbs
Wide, deep jaws machined for smooth parallel fit.
Forms precise folds and seams.
1" Deep x 3-1/2" wide throat.

Model **MB-TP44** \$21.00



OFFSET HAND SEAMER

1.25 lbs.
Offset design allows for additional leverage.
1-1/4" deep x 3-1/8" wide throat.
Forged Steel design.

Model **MB-TP44-0** \$54.00



HIGH CAPACITY OFFSET SNIPS

Red Handle

(Cuts left and straight)

Model **MB-TP904L** \$33.00

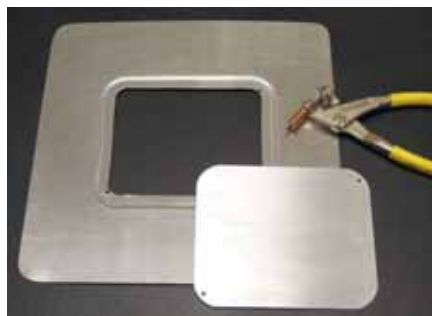
Green Handle

(Cuts right and straight)

Model **MB-TP904R** \$33.00

18 gauge mild steel capacity.
Ergonomic handle design.
Alloy steel jaws with grooved tips and serrated upper jaws for optimal performance.





CLECO PLIERS

Handy tool for sheet metal and body fabrication. Simply drill the hole then apply the spring loaded CLECO to hold your work in place.

Model **MB-TP74** \$10.00



CLECO KITS

40 CLECOS & 1 Pliers - either size.

1/8" Cleco Kit **MB-102** \$30.00

3/16" Cleco Kit **MB-103** \$30.00

SIDE GRIP CLAMPS

Side Grip clamps are designed to clamp at the edge of the work area. Ideal for holding workpieces of all types, particularly during bonding, sealing or gluing operations. Plier-operated, Spring loaded, Constant clamping force.

Use MB-TP74 installation tool.

Clamping Capacity (gap) 1/2"

Eff. Body Depth (reach) 1"

Body Length 2-3/16"



Model **MB-TP125SG** \$3.35

INDIVIDUAL CLECOS

Dia.	Drill Size	Price
1/8"	#30 MB-102-S	\$.60
3/16"	#10 MB-103-S	\$.60



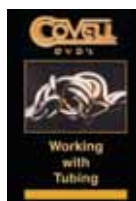
Informational Media



Ron Fournier

Sheet Metal Hand Tools DVD

MB-HTV01.... \$35.00



Ron Covell

Working With Tubing DVD

MB-1000-4...\$40.00



Ron Covell

TIG Welding Basics DVD

MB-1000-21...\$40.00



Ron Fournier

Metal Shaping DVD

MB-BSD00....\$35.00



**Ron Fournier
Ron Covell**

Hammer Forming Techniques DVD

MB-1000-15...\$40.00



Ron Covell

Advanced TIG Welding

MB-1000-25...\$40.00



Ron Covell

Shaping Aluminum with Hand Tools DVD

MB-1000-1...\$40.00



Ron Covell

Basic Techniques for Working Steel DVD

MB-1000-3...\$40.00



Ron Covell

English Wheel Techniques DVD

MB-1000-19...\$40.00



Ron Covell

High Power Metalshaping Workshop

MB-1000-26...\$40.00

Metal Forming Hand Tools



BLOCKING HAMMER

Blocking Hammers are ideal for roughing (blocking) high-dome shapes in aluminum or steel.

Model MB-BH450	Large	\$125.00
Model MB-BH350	Medium	\$112.00
Model MB-BH240	Small	\$99.00



PLASTIC MALLETS

These handy plastic mallets are some of our favorites and make a great addition to any home workshop or full-time metal shop.

Features Include:

High-quality, no-mar head (UHMW Plastic);
Genuine hickory handle;

Model MB-BA15005	19oz	\$16.00
Model MB-BA15006	24oz	\$18.50
Model MB-BA15007	30oz	\$21.00



"T" DOLLIES, STRAIGHT & CURVED

These handy T-Dollies can be used to form flanges and edges by hammering (with hammer or wood slapper) the metal over the rounded dolly. T-Dollies can be hand held or placed in a vise.

Straight:

Model MB-TPA5518	1/2" x 4"	\$23.00
Model MB-TPA5519	3/4" x 6"	\$26.00
Model MB-TPA5520	1" x 8"	\$28.00

Curved: pat. pending

Model MB-FCTD01	Gentle Curve	\$49.50
Model MB-FCTD02	Crescent	\$46.50
Model MB-FCTD03	Slope	\$47.50



BOSSING Mallet

Extra deep reach makes them a "must have" for all types of metal work projects. Each mallet also has two radii for added usefulness and practicality.

Model MB-FBM01	12OZ	\$40.00
Model MB-FBM02	23OZ	\$42.00
Model MB-FBM03	26OZ	\$45.00



SLAPPERS

Metalshapers know that wood slappers of various shapes, although a seemingly simple tool, quickly become a valuable asset in any metal shop.

Model MB-FFS01	Flat	\$64.00
Model MB-CFS01	Curved	\$64.00
Model MB-RBS01	Round	\$64.00



WOODEN MALLETS

A good, all-purpose tool to have in your arsenal. Use a disk sander to easily customize one or both mallet heads to suit the job at hand, or leave as is.

MB-SUM00	Small 2-1/2" dia	\$16.00 ea
MB-MUM00	Medium 2-3/4" dia	\$17.50ea
MB-LUM00	Large 3" dia	\$16.00 ea



SHOT BAG

Our bags have a suede outer finish and a tanned inner surface for blemish-free metal work.

(Bags come unfilled)

Model MB-LSB12	12"	\$33.00
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Aircraft Tools



More Information
On Page 32-33

Ultimate Box & Pan Brake 48" 16ga
With Radius Fingers
Model 2800-48-16-R \$3,475.00



Automotive Styles
On Page 27



Aircraft Punch & Flare Sets

1"	1300-030AC35	\$105.00
1-1/4"	1300-031AC35	\$105.00
1-1/2"	1300-032AC35	\$120.00
1-3/4"	1300-033AC35	\$120.00
2"	1300-034AC35	\$130.00
2-1/4"	1300-035AC35	\$130.00
2-1/2"	1300-036AC35	\$130.00
2-3/4"	1300-037AC35	\$145.00
3"	1300-038AC35	\$145.00
3-1/8"	1300-039AC25	\$195.00
3-1/4"	1300-040AC35	\$195.00
3-1/2"	1300-041AC35	\$195.00
3-3/4"	1300-042AC35	\$210.00
4"	1300-043AC35	\$210.00
5"	1300-044AC35	\$260.00
6"	1300-045AC35	\$310.00

6pc Punch & Flare Set 1" thru 2-1/2"
(does not include 2-1/4")
Model 1300-415 \$555.00

7pc Punch & Flare Set 1" thru 3"
(does not include 2-1/4" or 2-3/4")
Model 1300-412 \$760.00

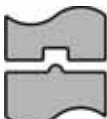
9pc Punch & Flare Set 1" thru 3"
Model 1300-414 \$1,025.00

13pc Punch & Flare Set 1" thru 4"
Model 1300-413 \$1,995.00
(does not include 3-1/8")



More Information
On Page 16

24" Power Drive Bead Roller
With Variable Speed Control
Model 210-24 \$695.00



More Rolls
On Pages 18-19

1/8" Nylatron Round Bead Roll
Model 201-125-D \$65.00



Instrument Hole Punches

2-1/4"	1300-026	\$105.00
3-1/8"	1300-029	\$115.00

Capacity : Mild Steel 16ga



More Information
On Page 24

Manual Bench Press Model 2200-M \$575.00

Louver Punches



Louver Punch
Information on
Page 26

Capacity : Mild Steel 16ga

BENCH PRESS LOUVER PUNCH START UP KITS

1"	2200-LA-01	\$775.00
2"	2200-LA-02	\$775.00
3"	2200-LA-03	\$775.00
4"	2200-LA-04	\$795.00
5"	2200-LA-05	\$795.00
3" Dome	2200-LA-06	\$795.00
4" Dome	2200-LA-07	\$795.00

INDIVIDUAL LOUVER PUNCH KITS

1"	500-041	\$475.00
2"	500-042	\$475.00
3"	500-043	\$475.00
4"	500-044	\$495.00
5"	500-045	\$495.00
3" Dome	500-046	\$495.00
4" Dome	500-047	\$495.00



More Information
On Page 38

Shrinker / Stretcher Deep Throat Set with Adaptors
Model 550-100 \$300.00



More Information
On Page 39

12" Planishing Hammer... Model 2700.....\$850.00
24" Planishing Hammer... Model 2700-24....\$999.00



More Information
On Page 36-37

English Wheel...Model 2900...\$1,425.00



More Information
On Page 30-31

Single Head Power Hammer
Model 4200-150 \$7,495.00



15" Pads

See Tanner
Page 15

4500 lbs. Aircraft Scale Set
Model 50297 \$1250.00

Gauge Decimals

Aluminum Sheets Aluminum sheets are specified by decimal thickness		Mild Steel Sheets Steel sheets are specified by decimal thickness & gauge		Stainless Steel Sheets S.S. sheets are specified by decimal thickness and gauge			Mild Steel Strip & Tubing Steel strip & tube are specified by decimal thickness & gauge	
Decimal Thickness	Lbs. per Sq. Foot	Decimal Thickness	Lbs. per Sq. Foot	Decimal Thickness	Lbs. per Sq. Foot	Gauge	Decimal Thickness	Lbs. per Ft. / Sq. Foot
-	-	-	.245	-	-	38	-	-
.0045	-	.0064	.261	-	-	37	-	-
.0050	-	.0067	.273	-	-	36	.004	.160
.0056	-	.0075	.306	-	-	35	.005	.204
.0063	.089	.0082	.335	-	-	34	.007	.286
.0071	.100	.0090	.367	-	-	33	.008	.326
.0080	.113	.0097	.396	-	-	32	.009	.367
.0089	.126	.0105	.428	-	-	31	.010	.400
.0100	.141	.0120	.90	.0125	.525	30	.012	.408
.0113	.160	.0135	.551	.0140	.591	29	.013	.530
.0126	.178	.0149	.608	.0156	.656	28	.014	.571
.0142	.200	.0164	.669	.0171	.722	27	.016	.653
.0159	.224	.0179	.730	.0187	.788	26	.018	.734
.0179	.253	.0209	.853	.0218	.919	25	.020	.816
.0201	.284	.0239	.975	.0250	1.050	24	.022	.898
.0226	.319	.0269	1.097	.0281	1.181	23	.025	1.020
.0253	.357	.0299	1.220	.0312	1.313	22	.028	1.142
.0285	.402	.0329	1.342	.0343	1.444	21	.032	1.305
.0320	.452	.0359	1.465	.0375	1.575	20	.035	1.428
.0359	.507	.0418	1.705	.0437	1.838	19	.042	1.713
.0403	.569	.0478	1.950	.0500	2.100	18	.049	1.999
.0453	.639	.0538	2.195	.0562	2.363	17	.058	2.366
.0508	.717	.0598	2.440	.0625	2.625	16	.065	2.652
.0571	.806	.0673	2.746	.0703	2.953	15	.072	2.937
.0641	.905	.0747	3.047	.0781	3.281	14	.083	3.386
.0720	1.016	.0897	3.659	.0937	3.938	13	.095	3.876
.0808	1.140	.1046	4.267	.1093	4.594	12	.109	4.447
.0907	1.280	.1196	4.879	.1250	5.250	11	.120	4.895
.1019	1.438	.1345	5.487	.1406	5.906	10	.134	5.467
.1144	1.614	.1495	6.099	-	6.563	9	.148	6.038
.1285	1.813	.1644	6.707	-	7.219	8	.165	6.731
.1443	2.036	.1793	7.315	.1875	-	7	.180	7.343
.1620	2.286	.1943	7.926	-	-	6	.203	8.281
.1819	-	.2092	8.534	-	-	5	.220	8.975
.2043	-	.2242	9.146	-	-	4	.238	9.710
.2294	-	.2391	9.754	.2500	-	3	.259	10.57
.2576	-	-	-	-	-	2	.284	11.59
.2893	-	-	-	-	-	1	.300	12.24
.3249	-	-	-	-	-	0	.340	13.87
.3648	-	-	-	-	-	00	.380	15.50
.4096	-	-	-	-	-	000	.425	17.34
.4600	-	-	-	-	-	0000	.454	18.52
.5165	-	-	-	-	-	00000	.500	20.40
.5800	-	-	-	-	-	000000	-	-

Custom Billet Crankshafts



**Featuring the "Best-Fit" design that puts the right weight in the right place
Every time!**



Billet Crankshafts

- Made in America with American Materials & Labor
- Custom Made to your Application
- Made from the highest quality E4340 Aircraft Billet steel
- CNC Machined for Accuracy & Finite Element Analysis Designed
- Micro Polished
- Gundrilled Main Optional
- Aero Designed Leading & Trailing Edges
- Ion - Plasma Nitride for Superior Journal Surface Hardness & Wear Resistance
- Aerodynamic Profiled Counterweights
- Lightening holes in all four rods to reduce rotational weight & reduce or eliminate the need for heavy metal to balance



We Start With High Quality
Timken 4340 Material



All Cranks Machined On Our 5 Axis
Mazak Integrex CNC

This Technology Lets Us Build A Custom
Crank For Your Exact Application

Order Toll Free 1-800-467-2464

Fabricated Differential Housing

Unique Triangulate Design For Maximum Strength

- Precision CNC Machined
- CAD/CAM Designed
- All Tig Welded
- Drain and Fill Plugs Installed
- Precision Ground Mounting Plate
- Mild Steel or 4130 Construction

Dragster



Tube End



Profab



Road Course

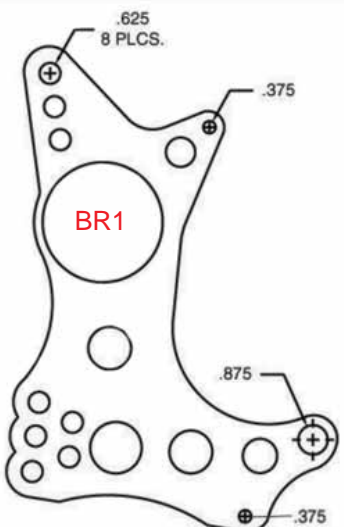
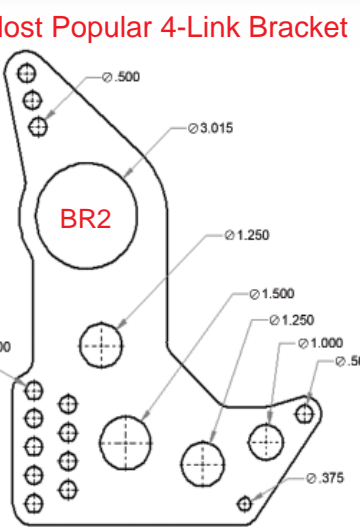
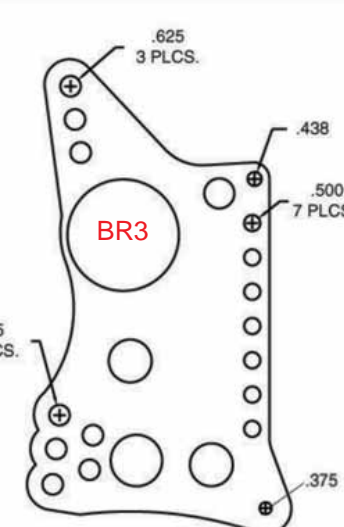
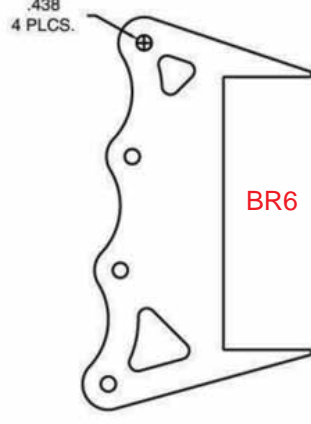
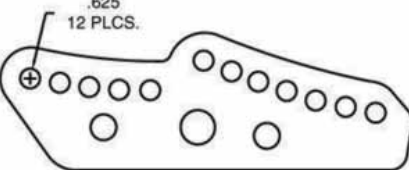
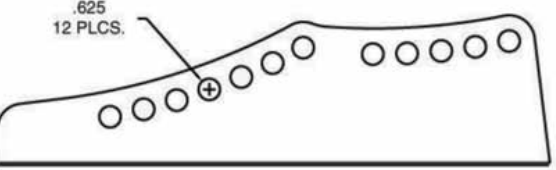


We Can Fabricate A Housing For Any Application
Call For a Quote!

Order Online @ www.mittlerbros.com

Drag Rear End Brackets

Available in Mild Steel or 4130
Specify Hole Size, Tube Size, and Material Thickness
Detailed Prints Upon Request

 <p>Moly...BR1-M.....\$85ea Mild...BR1-S.....\$50ea</p>	<p>Most Popular 4-Link Bracket</p>  <p>Moly...BR2-M.....\$85ea Mild...BR2-S.....\$50ea</p>	 <p>Moly...BR3-M.....\$85ea Mild...BR3-S.....\$50ea</p>	
<p>Need a custom made bracket? Send us your drawing or pattern for a quote!</p> <p>Mild Steel or 4130.</p> <p>All Brackets Shown Are Available in 3/16" or 1/4" Thick 4130 or Mild Steel</p>			<p>Solid Mount</p>  <p>Moly...BR6-M.....\$50ea Mild...BR6-S.....\$35ea</p>
<p>Solid Mount BR7</p>  <p>Moly...BR7-M.....\$50ea Mild...BR7-S.....\$35ea</p>	<p>Solid Mount BR8</p>  <p>Moly...BR8-M.....\$50ea Mild...BR8-S.....\$35ea</p>		

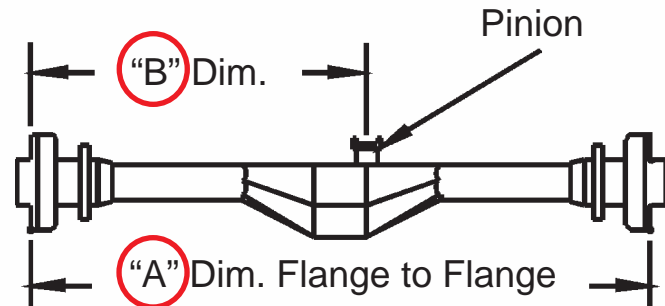
9" Racing Housings



Custom Built to any Width, any Offset!

INCLUDES:

- 1 Pair Standard 5x5 Hubs w/Short Coarse Studs 1400-034
- 1 Pair of Standard 6061 24 Spline Drive Flanges 1400-033-6061
- 1 Pair of Rear Hub Accessory Kits, Left / Right 1400-400-L / R
(includes bearings, seals, o-rings & hardware)
- 1 Pair Steel Rotor Adapters 8 Hole 7" BC 1400-003-S
- 1 Pair 28 or 31 Spline Standard GN Axles
- 1 New Housing between 58" and 62" with 3"OD x 3/16" Wall Tubes
- 1 3/4 Allen Fill Plug
- 1 1/2 Allen Drain Plug



Just Give Us Your "A" and "B" Dimensions & We'll Do The Rest

Complete Floater Housing Assembly as Listed Above.....\$1255.00.....\$60 savings over individual parts

NEW 9" FORD HOUSINGS

ECONO



Model 1000-509

Precision Laser & Robotic Fabrication. Precision Ground Mounting Surface. Close Fit Axle Tube Sockets. Smooth Back, Great for Street Rods Heavy Duty 3/16" Material 22-3/4" Wide

Track 9



Model 1000-503
Model 1000-504

Precision Laser & Robotic Fabrication. Internal Gussets Provide Extra Support. Precision Ground Mounting Surface. Close Fit 7" Deep Axle Tube Sockets. High Form 50 Material **NASCAR & IMCA** Approved 27" Wide

- New Track 9 Housing Standard Weight (1/8" thick)**
- New Track 9 Housing NASCAR Approved (3/16" thick)**
- New "ECONO" 9" Ford Housing (3/16" thick)**

- Model 1000-503.....\$300.00
- Model 1000-504.....\$300.00
- Model 1000-509.....\$225.00

BASIC REAR END KIT



Kits Use 3" Diameter Tubing

Basic Track 9 Kit As Shown Above Starting At.....\$420.00

Rear Hubs

- FORGED STEEL HUB
- RACE PROVEN ON OUR NASCAR TRUCK
- USES ROTOR ADAPTER PLATES - ELIMINATES BRAKE HAT

8.5 Lbs.
Steel



Hubs Come w/ Coarse 5/8" Long Studs, Races

Rear Hubs & Parts

5x5 Steel Rear Hub 8.5 Lbs.	1400-5x5RS	\$105.00
5x5 Aluminum Rear Hub	1400-5x5RA	\$175.00
Inner / Outer Race (L610510)	1400-502	\$11.50
Inner / Outer Bearing (L610549)	1400-501	\$27.00
Axle Seal (SCP-50395)	1400-511	\$4.45
Hub Seal (SCP-2168)	1400-510	\$3.20

Lite Weight Rear Hubs

- IDEAL FOR LIGHT WEIGHT CARS
- REDUCES ROTATING & UNSPRUNG WEIGHT
- USES SAME DRIVE PLATE AND BEARINGS AS THE-
GRAND NATIONAL HUB SHOWN ABOVE

5x5 Steel Rear Hub With Studs & Races Model **1400-LWRH..** **\$125.00 ea**

6 Lbs.
Steel



Hubs Come w/ Coarse 5/8" Short Studs, Races

Wheel Studs .690" Knurl (length from under head to end)

5/8" dia. x 3-3/4" Long Coarse	1400-527	\$5.00
5/8" dia x 2-3/4" Short Coarse	1400-523	\$4.00
5/8" dia x 3-3/4" Long Fine	1400-526	\$5.00
5/8" dia x 2-3/4" Short Fine	1400-524	\$4.00

Complete Rear Hub Kits

All Complete Hub Kits are For One Wheel & Comes Complete as Listed Below:

- Hub w/ Races & Studs Installed
- Bearings
- Hub Seal & Axle Seal
- Spindle Nut & Lockwasher
- Hub Cap w/ Screws & O-Ring
- Steel Rotor Adapter w/ Bolts
- 6061 Drive Flange w/ O-Ring & Bolts



Complete Rear Hub Kits

Standard Right Rear Kit (LONG COARSE 5/8" STUDS ARE STANDARD)	1400-402-R	\$275.00
Standard Left Rear Kit (LONG COARSE 5/8" STUDS ARE STANDARD)	1400-402-L	\$275.00
Light Weight Right Rear Kit (SHORT COARSE 5/8" STUDS ARE STANDARD)	1400-401-R	\$295.00
Light Weight Left Rear Kit (SHORT COARSE 5/8" STUDS ARE STANDARD)	1400-401-L	\$295.00
Steel Drive Flanges (add to Above Price)		\$10.00ea
Aluminum Flanges (add to Above Price)		\$20.00ea



Order Toll Free 1-800-467-2464

Drive Flanges

All Our Drive Flanges Have A 7" OD For Proper Wheel Support Without A Brake Rotor Hat

STANDARD DRIVE FLANGE

- SUITABLE FOR MOST IMCA TYPE CARS
- 6061-T6 ALUMINUM
- HARD COAT ANODIZED FOR WEAR
- BEST WITH LIMITED POWER AND TIRE

1.98 LBS



6061 Aluminum Drive Flange w/ Cap, Bolts, O-rings, & Hard Coat Anodized For Wear Resistance

Model **1400-033-6061**.....\$75.00

ULTIMATE DRIVE FLANGE

- 7075-T6 ALUMINUM
- IDEAL FOR ANY APPLICATION
- SUITABLE FOR HIGH HORSE POWER AND BIG TIRES

1.98 LBS



5 X 5 (24 SPLINE) 7075 Aluminum Drive Flange w/ Cap, Bolts, O-rings, & Hard Coat Anodized For Wear Resistance

Model **1400-033-7075**.....\$95.00

Apply High Pressure Lube
To Drive Flanges At each Installation.
See Page 54

STEEL DRIVE FLANGE

- USE WHERE RULES WON'T ALLOW ALUMINUM
- HIGH STRENGTH STEEL

4.72 LBS



5 X 5 (24 SPLINE) Steel Drive Flange w/ Cap, Bolts & O-rings

Model **1400-006**....\$85.00

BOLT CIRCLE ADAPTERS

4 3/4" or 4 1/2" Bolt Circle

Ideal For Street Stock & IMCA Modified Cars

Allows The Use Of Our Proven Grand National Hub

This is just a thick drive flange with a dual bolt pattern allowing you to use our 5 x 5 hubs with your stock pattern wheels

Includes Hub Cap & all hardware required

Widens The Track By 11/16" Per Side over std. Drive Flange

Bolt Circle Adapter Steel Model **1400-017-S**.....\$125.00 ea

Bolt Circle Adapter Aluminum Model **1400-017-A**.....\$125.00 ea
(specify 4-1/2" or 4-3/4" BC and Stud Type)



Floater Housing Accessories

GN 5X5 HUB PARTS

Right Hand 5x5 G N Spindle Nut	1400-512	\$6.00
Left Hand 5x5 G N Spindle Nut	1400-509	\$14.00
Tang Locking Washer	1400-513	\$2.00
Inner / Outer Bearing (#L610549)	1400-501	\$27.00
Inner / Outer Race (#L610510)	1400-502	\$11.00
Hub Seal (SCP-2168)	1400-510	\$3.20
Axle Seal (SCP-50395)	1400-511	\$4.45
O'Ring For Drive Flange (241)	1400-514	\$.90
O'Ring For Hub Cap (132)	1400-515	\$.50
Left Hub Accessory Kit	1400-400-L	\$90.00
Right Hub Accessory Kit	1400-400-R	\$90.00
GN Hub Cap w/ O-Ring & Bolts	1400-009	\$17.00



Hub Accessory Kit (one side)

Grand National Double Spline Axles.....\$105.00 ea
Specify 28 or 31 Spline



Light Weight Gun Drilled Axles.....\$160.00 ea
31 Spline Only

Grand National Rear Snout Left Model 800-004-L.....\$48.00 ea

Grand National Rear Snout Right Model 800-004-R.....\$48.00 ea



Spindle Nut Socket Makes Removal & Installation A Breeze
Fits 1/2" Drive Ratchet And Has Stainless Drive Pins

#12 Grand National Spindle Nut Model 1400-013.....\$50.00 ea

#11 Speedway Spindle Nut Model 1400-014.....\$50.00 ea



High Pressure Lube Extend Drive Flange Life!

We have tested the High Pressure Lube and found it to be the Ultimate Lube for high pressure applications. Also works great for spark plugs, aluminum fittings, etc.

We also recommend High Pressure Lube be applied on a regular basis to improve Drive Flange Life.



Model 1400-531.....\$10.00

Seals-it

9" Ford Inner Axle Seal

This billet aluminum seal has three O-rings that seal it to the axle tube and two bonded, heavy duty, neoprene inner seals designed to compensate for any amount of axle runout.



\$56.00 ea.

RedModel AS91882.625" OD
Gold.....Model AS95202.500" OD
Blue.....Model AS92182.560" OD
Silver.....Model AS91252.750" OD

Rear End Accessories

All housing ends are machined from premium grade mild steel so there is no fear of cracking when MIG welding is used to attach to the housings. All ends are 1" thick unless stated otherwise.



Early Big Ford Housing Ends. 3.150" Bore 1/2x20 Threaded Holes

Model 1000-260.....\$75.00

Early Big Ford Housing Ends. 3.150" Bore, 2" Thick, Uses An Axle Seal, 3/8" Bolt Holes

Model 1000-253.....\$75.00

Late Model Big Ford (Torino) Housing Ends. 3.150" Bore, 3/8" Holes

Model 1000-254.....\$75.00



Symmetrical / Lamb Housing Ends 3.150" Bore, 3/8" Bolt Holes

Model 1000-255.....\$75.00



Oldsmobile Housing Ends 3.150" Bore 3/8" Bolt Holes

Model 1000-251.....\$75.00



These 2-1/2" Fill Cap Assemblies Have A Steel Weld Bung & Aluminum Cap

Model 1000-302.....\$50.00



These 1-1/4" Fill Cap Assemblies Have A Steel Weld Bung & Aluminum Cap. They Also work Great For Weight Bars

Model 1000-301.....\$40.00



These 1/2" Pipe Threaded Fittings Are 1/2" High & Have A 7/8" Register Diameter

Model 1000-320.....\$4.50



This 1/8" Pipe Weld Bung and Vent Fitting Work Great For Race Applications

Model 1000-340.....\$4.50



Grade 8 Press In Face Plate Studs for 9" Fords Set of 10

Model 1000-505-S.....\$24.00



Smart Tool Not Included

Pinion Angle Plate..... Model 1000-310.....\$17.50

PINION ANGLE PLATE

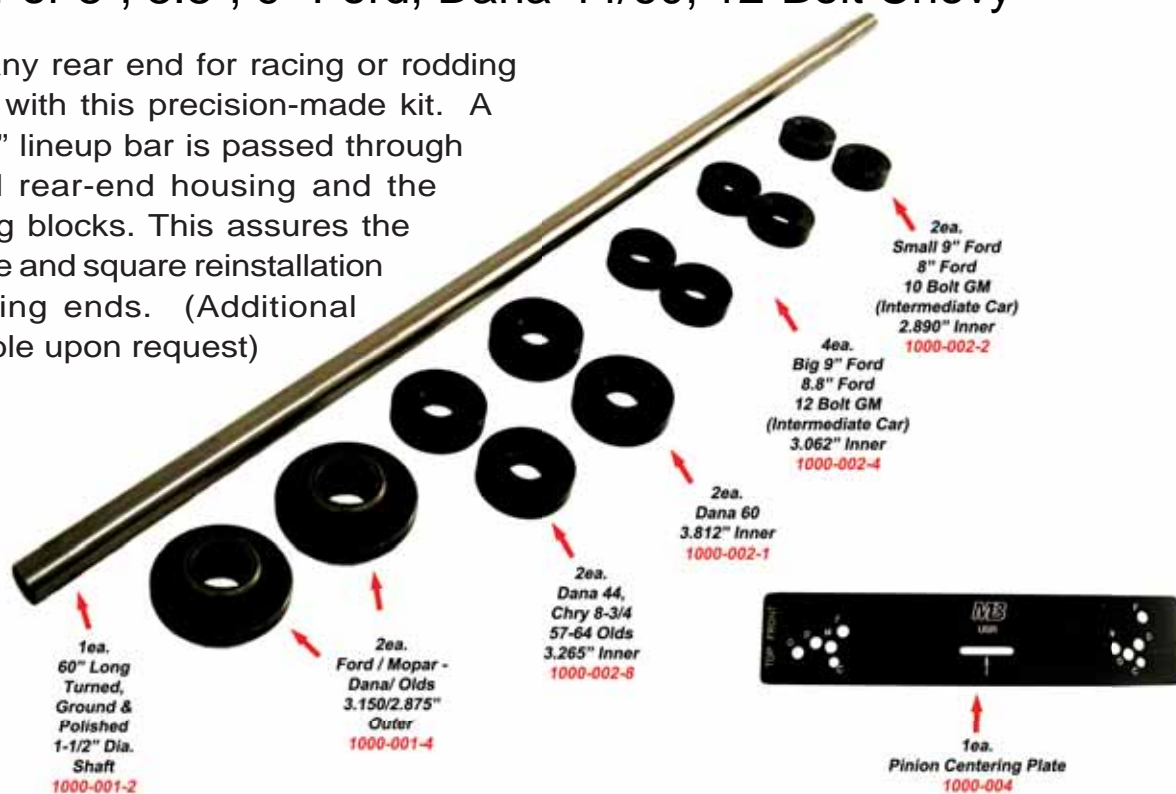
Just bolt the plate to the right side third member studs. Use a digital level to set pinion angle.

The MB Pinion Angle Plate is a quick and simple method to check and set pinion angle. Use this when first setting up chassis or making bar changes. This will allow you to maintain this critical angle.

Rear End Narrowing Kits

For 8", 8.8", 9" Ford, Dana 44/60, 12-Bolt Chevy

Narrow any rear end for racing or rodding applications with this precision-made kit. A 1-1/2" by 60" lineup bar is passed through the trimmed rear-end housing and the inner bearing blocks. This assures the accurate, true and square reinstallation of the housing ends. (Additional sizes available upon request)



72" Longshaft (#1000-001-3) Substitute for 60" Shaft Add \$25.00

Rear End Narrowing Kit as Described Above Model **1000-RENK1** **\$525.00**

OPTIONAL OUTER LINE UP BLOCKS

Big Ford / Dana / Olds- 3.150/ 2.875	1000-001-4	\$100.00
Ford Truck 8.8" 2.577	100-001-10	\$100.00
GM Car / Ford 8.8" 2.250 / 2.535	1000-001-5	\$100.00
GN Floater Snout Alignment Rings (works with 1000-RENK2)	1000-005	\$50.00
Strange Line-Up Pucks 1-1/2" ID	1000-002-9	\$150.00
Strange Line-Up Pucks 1-3/8" ID	1000-002-12	\$150.00

OPTIONAL INNER LINE UP BLOCKS

Dana 60 - 3.812	1000-002-1	\$75.00
Ford 9", 8" / GM 10 Bolt - 2.890	1000-002-2	\$50.00
Dana 44 / Olds 57-64 / Chry 8-3/4" - 3.265	1000-002-8	\$75.00
Ford 9", 8.8" / GM 12 Bolt Car 3.062	1000-002-4	\$50.00
GM Truck 12 Bolt - 2.870	1000-002-3	\$50.00
Tube Line Up Ring for Floater Kit (1000-RENK2)	1000-006	\$75.00

Custom Line Up Blocks Available Upon Request

Pinion Centering Plate



Use This Precision Machined and Engraved Steel Plate To Locate Your Pinion Centerline When Narrowing A Housing or Checking Offsets. Fits 9" Ford, 8.8" Ford, 12 Bolt Chevy, Dana 60, 8-3/4" Mopar & Oldsmobile.

Pinion Centering Plate Model **1000-004** **\$75.00**

1ea. 60" Long Turned, Ground & Polished 1-1/2" Dia. Shaft **1000-001-2** **\$125.00**
1ea. 72" Long Turned, Ground & Polished 1-1/2" Dia. Shaft **1000-001-3** **\$150.00**

Narrowing Kit For 9" Ford Floater Housings

(for Mittler GN Snouts)

This Kit Allows You To Fabricate A Precision Floater Housing, And Includes Inner Blocks To Fit 9" Ford (Specify Size), Tube Alignment Rings To Square Tube With Center, Snout Alignment Rings, 72" Alignment Bar and Pinion Centering Plate.

Floater Rear End Narrowing Kit as Described Above Model **1000-RENK2** **\$425.00**

Order Toll Free 1-800-467-2464

IMPALA FRONT HUBS

Direct Replacement - Ideal For Rule Cars
5 X 5 Bolt Pattern
7" Diameter Provides Proper Wheel Support
Uses Rotor Adapter Plate To Eliminate Brake Hat



11-1/2lbs.
Complete

Hubs Include 5/8" Short Studs, Races & Dust Caps. Please Specify Coarse Or Fine Studs.

Impala Spindle Pin

800-013

\$75.00 ea



800-013

These Fit '70 to '76 Spindles

Impala Front Hubs & Parts

Steel Front Hub 9 Lbs.	1400-IMPS	\$125.00
Aluminum Front Hub 7 Lbs.	1400-IMPA	\$175.00
Inner Bearing (LM48548)	1400-530	\$8.50
Inner Race (LM48510)	1400-508	\$4.75
Outer Bearing (LM12649)	1400-529	\$7.70
Outer Race (LM12610)	1400-507	\$4.00
Seal (19753)	1400-522	\$2.30

GRAND NATIONAL FRONT HUBS

Race Proven
5 X 5 Bolt Pattern
7" Diameter Provides Proper Wheel Support
Uses Rotor Adapter Plate To Eliminate Brake Hat



Fits SCP GN
Front Spindle

5 x 5 Front Hubs & Parts

Steel Front Hub	1400-5x5S	\$125.00
Aluminum Front Hub	1400-5x5A	\$175.00
Inner Bearing (3383)	1400-516	\$27.40
Inner Race (3320)	1400-518	\$12.75
Outer Bearing (2687)	1400-517	\$16.15
Outer Race for Steel Hub (2630)	1400-519	\$22.00
Outer Race For Aluminum Hub (2620)	1400-520	\$22.00
Seal (23666)	1400-521	\$9.25

Hubs Include 5/8" Short Studs, Races & Dust Caps. Please Specify Coarse Or Fine Studs.

ROTOR ADAPTER PLATES



Rotor Adapter Plates

8 Hole Aluminum on 7" B.C.	1-1/4 lbs.	1400-003-A	\$30.00 ea
8 Hole Steel on 7" B.C.	3 lbs.	1400-003-S	\$30.00 ea
10 Hole Aluminum on 6.8" B.C.		1400-002-A	\$30.00 ea
10 Hole Steel on 6.8" B.C.		1400-002-S	\$30.00 ea

BRAKE ROTORS

Standard Brake Rotors

(11.75" Dia. x 1.25" Thick) 9Lbs. Model 1400-532.....\$45.00

Light Weight Brake Rotors

(11.75" Dia. x .810" Thick) 8.5Lbs. Model 1400-533.....\$45.00

Rotor Bolt Kit For 8 Hole Rotors Model 1400-504-13 (13pcs).....\$5.00

Rotor Bolt Kit For 10 Hole Rotors Model 1400-504-15 (15pcs).....\$5.50



Off Road Housings & Hubs

- All Tig Welded
- Drain and Fill Plugs Installed

- CAD/CAM Designed
- Precision Ground Mounting Plate



Tubing Options Available
3"- 1/4 Wall, 3.25"- 1/4 Wall,
3.5"- 1/4 Wall, 4" -1/4 Wall

Off Road Basic Housing

We Can Fabricate A Housing For Any Application

Call for a Quote!



Optional Bracing Shown

Off Road Rear Hub Kits



Off Road Rear Hub Kits

5x5-1/2 Right Rear Hub Kit - 24 spl (LONG COARSE 5/8" STUDS ARE STANDARD)	Model 1400-403-R	\$490.00
5x5-1/2 Left Rear Hub Kit - 24 spl (LONG COARSE 5/8" STUDS ARE STANDARD)	Model 1400-403-L	\$490.00
5x5-1/2 Right Rear Hub Kit - 40 spl (LONG COARSE 5/8" STUDS ARE STANDARD)	Model 1400-406-R	\$490.00
5x5-1/2 Left Rear Hub Kit-40 spl (LONG COARSE 5/8" STUDS ARE STANDARD)	Model 1400-406-L	\$490.00

5x5-1/2 Steel Drive Flange

24 Spline Steel Drive Flange	Model 1400-043-24	\$165.00
40 Spline Steel Drive Flange	Model 1400-043-40	\$175.00

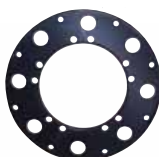


Off Road Spindle Snout

Off Road 4130 Snout Left	Model 800-004-ML	\$125.00
Off Road 4130 Snout Right	Model 800-004-MR	\$125.00

Off Road 5x5 - 1/2 Hub Parts

Rear Hub 5x5-1/2 Standard Steel with Races & Long Course 5/8" Studs	1400-052	\$150.00
Bearing #L610549 - Timkin	1400-536	\$72.00
Bearing Race #L610501 - Timkin - included in hub Price	1400-537	\$30.00
#12 Spindle Nut w/Lock ring - Right hand Thread	1400-538	\$14.50
#12 Spindle Nut w/Lock ring - Left hand Thread	1400-539	\$14.50
O-Ring for Drive Flange to Hub - Large	1400-514	\$1.25
Seal - Hub	1400-510	\$3.20
Seal - Axle	1400-511	\$4.45
O-Ring for 40 Spline Hub Cap 01-135	1400-535	\$1.00
O-Ring for 24 Spline Hub Cap 01-132	1400-515	\$1.00
Rear Dust Cap w/bolts & O-Ring - 40 Spline	1400-054	\$17.00
Rear Dust Cap w/bolts & O-Ring - 24 Spline	1400-009	\$17.00
Left Hub Accessory Kit - 40 Spline	1400-404-L	\$175.00
Right Hub Accessory Kit - 40 Spline	1400-404-R	\$175.00
Left Hub Accessory Kit - 24 Spline	1400-405-L	\$175.00
Right Hub Accessory Kit - 24 Spline	1400-405-R	\$175.00



5x5-1/2 Rotor Adapter

8 Hole Steel on 7" B.C. 3 lbs.	1400-003-S	\$30.00 ea
10 Hole Steel on 6.8" B.C.	1400-002-S	\$30.00 ea
Rotor Bolt Kit-18 pcs	1400-505-18	\$6.50

Order Toll Free 1-800-467-2464

Spools

Spools Sold Exclusively Through Our Dealers



Lite Weight Spool

Weight: 6.1 lbs.

Improved Design Allows Strength
Equal To A Standard Weight Spool
(7.82 Lbs)

- CNC MACHINED FROM FORGINGS
- 4130 HEAT TREATED STEEL OR
7075-T6 ALUMINUM
- AVAILABLE IN 23, 28, 31, 33, 35 & 40 SPLINE
- LIFETIME GUARANTEE AGAINST BREAKAGE

9" FORD MINI SPOOL

PRECISION CNC MACHINED

- Heat Treated
- Lite Weight
- Replaces Stock-
Type Side Gears
- Available In 28 and
31 Spline
- Optional 4130 Pin



Description

Part

Weight

9" FORD SPOOL

Ultra Lite Steel Spool 4130 Heat Treat - 28 Spline	1500-002-28-FUL	6.22 lbs...
Ultra Lite Steel Spool 4130 Heat Treat - 31 Spline	1500-002-31-FUL	5.94 lbs
Standard Steel Spool 4130 Heat Treat - 28 Spline	1500-006-28-FSTD	
Standard Steel Spool 4130 Heat Treat - 31 Spline	1500-006-31-FSTD	
Standard Steel Spool 4130 Heat Treat - 33 Spline	1500-006-33-FSTD	
"Scalloped" Steel Spool 4130 Heat Treat - 40 Spline	1500-023-40-FS	
Standard Steel Spool - 35 Spline Small Bearing	1500-018-35-SBS-F	
Standard Steel Spool - 35 Spline Big Bearing	1500-025-35-BBS-F	
Standard Steel Spool - 35 Spline (Strange)	1500-006-35-FS-STG	7.82 lbs...

9" FORD MINI SPOOLS

28 Spline Mini Spool	1500-020-28-FMS	2.98 lbs
31 Spline Mini Spool	1500-020-31-FMS	2.74 lbs
Moly Cross Pin	1500-102	

CHRYSLER SPOOLS

8.75 Chrysler 4130 Heat Treat - 30 Spline	1500-026-30-CHY	9.24 lbs
8.75 Chrysler 4130 Heat Treat - 35 Spline	1500-026-35-CHY	8.40 lbs

DANA 44 SPOOLS

Dana 44 4130 Heat Treat - 30 Spline High Series	1500-010-30-DAHS	9.44 lbs
Dana 44 4130 Heat Treat - 30 Spline Low Series	1500-010-30-DALS	9.44 lbs

TOYOTA SPOOLS

Toyota 8" 4130 Heat Treat - 30 Spline	1500-017-30-T8	6.46 lbs
Toyota V6 4130 Heat Treat - 30 Spline	1500-024-30-TV6	6.92 lbs
Dwarf & Legend - Steel, 10 Bolt - 23 Spline	1500-030-23-S-DL10	3.56 lbs
Dwarf & Legend - Steel, 8 Bolt - 23 Spline	1500-031-23-S-DL8	2.92 lbs
Dwarf & Legend - Aluminum, 10 Bolt - 23 Spline	1500-030-23-AL-DL10	1.74 lbs
Dwarf & Legend - Aluminum, 8 Bolt - 23 Spline	1500-031-23-AL-DL8	1.24 lbs
MINI Dwarf & Legend - Steel, 8 Bolt - 23 Spline	1500-032-23-MS-DL	1.18 lbs

PINION SUPPORTS

Heavy Duty Pinion Support For All
9" Ford Cases
Precision CNC Machined From Billet

Available In All Popular Configurations
Daytona Bearing Model **1900-001**
Big Bearing Model **1900-002**
10 Bolt Heavy Duty Model **1900-003**



Contact Your Nearest Dealer

Danny Miller's Rear Gears.....	Valley Park, MO.....	636-861-3900
West Coast Differentials.....	Rancho Cordova, CA.....	916-635-0950
Predator Race Parts.....	Lincoln, NE.....	402-202-7322
Doug Herbert Performance.....	Concord, NC.....	800-444-7373
4-Wheel Parts.....	50 Stores Nationwide....Main Store Compton, CA.....	310-900-7725

(See www.4wheelparts.com)

Order Online @ www.mittlerbros.com

We Remember Our Fallen Friends



12/23/64 - 10/14/00

12/26/38 - 08/19/01

In an almost unbelievable twist of fate, Dean Roper died doing what he loved - Racing! Sadly, however, it was a heart attack; prompting many to say, "Dean died of a broken heart, literally and missing his real idol, Tony. We will always remember Tony and Dean Roper.



MB Motorsports 2011 Ford F-150

MB Motorsports is the only team from the inaugural year of the NASCAR Camping World Truck Series, 1995, still competing in the series. Their first race was run at the Milwaukee Mile that year with the late Tony Roper. Over the years, MB Motorsports has earned a respected reputation for launching the careers of talented, new drivers into NASCAR racing, including the late Tony Roper (1995), the late Kenny Irwin Jr. (1996), Jamie McMurray (1999), Carl Edwards (2002), Regan Smith (2002), Justin Allgaier (2005), Jack Smith (2007), Nick Hoffman (2010), and Tyler Tanner (2011).

MB Motorsports competed in 11 of the 25 schedule races, with a best place finish of 11th at Atlanta Motor Speedway on September 2, 2011. Two drivers piloted the #63 Ford F-150 during 2011. Nick Hoffman handled the driving duties at Nashville & Kansas. Jack Smith, with sponsor "SealWrap Repair Tape", drove at Kentucky, Iowa, Indianapolis, Atlanta, Chicago, Talladega, and Texas. Tyler Tanner, with sponsor "EF-65 Hand Cleaner", started his NASCAR career driving the #65 Ford F-150 race truck at Martinsville, Virginia in late October.

A special thanks to our 2010 marketing partners:

SealWrap Repair Tape
EF-65 Hand Cleaner
Advanced Signs
Childs Tire
STPN Connection
Mittler Brothers Machine & Tool
Tanner Racing Products by Mittler Brothers

Thanks to additional marketing partners:

Autometer, CeeKay Supply, Dayco, Dyer Rods, Fel-Pro Gaskets, Kluhsman Racing Components, Mechanix Wear, Moog, MSD, Schoenfeld Headers, and Scott Wires.

Our dedicated volunteer crew provided the support for the 2011 NASCAR race season:

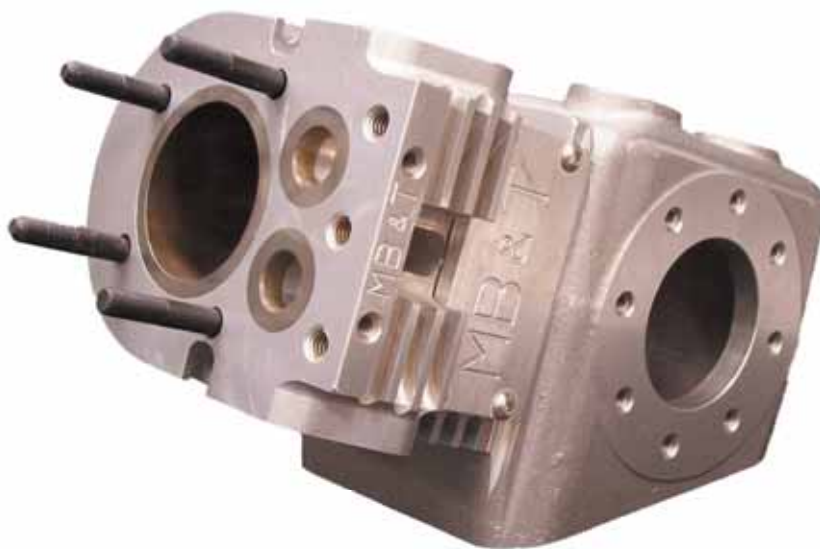
Robert Bridges, Brandon Brown, Vern Daffron, Kendall Downs, Jim Ferrell, Jerry Kruep, Patrick Lawson, Les Howard, Bev Mittler, John Nabours, Jim Peryam, Bill Politsch, Dave Porter, Ben Schauf, Mike Shetler, Troy Vandiver, and Mike Boswell.

Mittler Brothers TEAM RECOGNITION

Our Greatest Strength over the 31 Years of Innovation is our long term Team Members. Without their Loyalty, Dedication, & Skill none of these products would be possible. Thank You for All You Have Done.

Greg Klemme	31 Years	Mark Gust	17 Years
Larry Anderson	28 Years	Brian Springmeier	17 Years
Mike Heinrich	27 Years	Dave Dodge	16 Years
Pam Beckham	26 Years	Jeremy Wortmann	16 Years
Jim Heinrich	24 Years	Sam Boenker	13 Years
Cindy Snyder	24 Years	Matt Hillman	13 Years
Bobby Smith	23 Years	Kenney Hiatte	12 Years
Todd Mandernach	21 Years	Leroy Haney	12 Years
Ray Sauer, Jr.	20 Years	Bill Politsch	12 Years
Shannon Heinrich	20 Years	Dan Finnegan	11 Years
Tom Melton	18 Years	Dan Walsh	11 Years

Modular Engines



This design features an all iron cylinder to fit the existing base. This all iron cylinder requires no seats or sleeves and comes bored to nominal. Guide holes are complete and the cylinder is ready for your custom ports. This engine combination shares many benefits such as lower cost, lighter in weight, excellent crank to cam mesh, and no more expensive weld bills for porting or repair.

Engine kit comes complete with all studs, nuts, washers, and alignment pins. New design allows builder to directly fasten the base and cylinder together.

Over two years of research & development.

All current components fit without modification.

T6 Full Machined Engine Base

Accepts R-6 or Standard cam bearings.

No Welding needed. These already have added thickness & ribs.

"STOCK / MOD"
Cylinder



"B" and "A"
Cylinder



BASES		
74100	Cylinder base standard	\$388.50
74102	Cylinder base BVB	\$388.50
CYLINDERS		
74200	Cylinder C [stock/mod]	\$441.00
74220	Cylinder B [std exhaust port]	\$556.50
74230	Cylinder B [tilted exhaust port]	\$619.50
74240	Cylinder A [tilted exhaust port]	\$619.50
VALVE SEATS		
74300	1-1/8 Valve seat	\$7.75
74305	1-1/4 Valve seat	\$7.75
74310	1-1/2 Valve seat	\$8.50
74315	1-5/8 x 1-1/4 Valve seat [dogbone]	\$21.50
GUIDES		
74340	Cast Iron valve guide 7/16 O.D.	\$6.50
74350	Cast Iron tappet guide 7/16 O.D.	\$6.50
SLEEVES		
74380	2-1/8 Stock and mod sleeve	\$48.50
74385	2-1/8 B cylinder sleeve w/ seat relief	\$48.50
74390	2-1/4 A cylinder sleeve	\$52.00
COMPONENT PARTS		
74410	Engine stud kit	\$26.00
74420	Cylinder base gasket standard	\$13.75
74422	Cylinder base gasket 2 hole BVB	\$13.75
74440	Valve chest cover plate kit	\$20.25
74442	Valve chest gasket	\$3.75
74450	Oil pump index bushing	\$5.25
74452	Cam axle plug	\$5.75

Misc. Accessories

Quick Release Steering Wheel Disconnect



Deluxe Steering Wheel Disconnect.....Model 85150.....\$78.75
Replacement Spline for Above.....Model 85155.....\$35.75

"Solid Core" Steering Wheel

- Helps To Prevent Broken Fingers & Thumbs!
- Aluminum Construction
- Ribbed Cover
- 15" Diameter
- 3-1/2 lbs



"Solid Core" Steering Wheel..... Model 2600.....\$99.00

Shifter Boot Kit



Drawstring for Easy Changes

Includes: Boot, Frame & Rivets

Shift Boot Kit..... Model 40810.....\$81.00
Shift Boot Only..... Model 40812.....\$59.50
Frame Only..... Model 40814.....\$24.75

Frame / Cage Gussets



Stronger Than Flat Gussets

Fit 1-1/2" to 1-3/4" Tube

No Trimming Required

10 Pack..... Model 40310.....\$20.25
25 Pack..... Model 40312.....\$48.00
100 Pack..... Model 40314.....\$188.00

Heat Insulating Floor Mats

Reflects The Heat So Your Feet & Legs Don't Feel It.



10" x 10" Mat Model 67120 \$32.00
10" x 15" Mat Model 67130 \$41.50
10" x 20" Mat Model 67140 \$49.25
20" x 20" Mat Model 67150 \$73.25
20" x 30" Mat Model 67160 \$81.25

Header Wrap

Available in: BLACK & NATURAL



1" x 12' Roll Model 66012 \$11.00
(Natural Only)
2" x 25' Roll Model 66025 \$25.75
2" x 50' Roll Model 66050 \$36.75
2" x 100' Roll Model 66100 \$67.50

Specify Color When Ordering: BLACK or NATURAL

Clamp on Chassis Accessories

Drink Holders

Includes Clamp On Holder & Insulated Bottle



1-1/2" Blue Drink Bottle Kit	Model 95320-Blue	\$57.75
1-1/2" Gray Drink Bottle Kit	Model 95320-Gray	\$57.75
1-1/2" Red Drink Bottle Kit	Model 95320-Red	\$57.75
1-3/4" Blue Drink Bottle Kit	Model 95340-Blue	\$57.75
1-3/4" Gray Drink Bottle Kit	Model 95340-Gray	\$57.75
1-3/4" Red Drink Bottle Kit	Model 95340-Red	\$57.75

Radio Holders

Includes Clamp On Holder & Washable Padded Liner



1-1/2" Blue Radio Box	Model 95220-Blue	\$62.50
1-1/2" Gray Radio Box	Model 95220-Gray	\$62.50
1-1/2" Red Radio Box	Model 95220-Red	\$62.50
1-3/4" Blue Radio Box	Model 95240-Blue	\$62.50
1-3/4" Gray Radio Box	Model 95240-Gray	\$62.50
1-3/4" Red Radio Box	Model 95240-Red	\$62.50

Kwik Change Drink Holder

Includes Clamp On Holder, 2 Insulated Bottles, 6' Kwik Connect Sippy Hose w/ Bite Valve



1-1/2" Blue Kwik Change Drink Kit	Model 95325-Blue	\$94.00
1-1/2" Gray Kwik Change Drink Kit	Model 95325-Gray	\$94.00
1-1/2" Red Kwik Change Drink Kit	Model 95325-Red	\$94.00
1-3/4" Blue Kwik Change Drink Kit	Model 95345-Blue	\$94.00
1-3/4" Gray Kwik Change Drink Kit	Model 95345-Gray	\$94.00
1-3/4" Red Kwik Change Drink Kit	Model 95345-Red	\$94.00

Firewall Bolt On Coil Mount



Blue Coil Clamp	Model 95610-Blue	\$33.00
Gray Coil Clamp	Model 95610-Gray	\$33.00
Red Coil Clamp	Model 95610-Red	\$33.00

Single Clamp On Coil Mounts



1-1/2" Blue Single Coil Clamp	Model 95620-Blue	\$28.00
1-1/2" Gray Single Coil Clamp	Model 95620-Gray	\$28.00
1-1/2" Red Single Coil Clamp	Model 95620-Red	\$28.00
1-3/4" Blue Single Coil Clamp	Model 95640-Blue	\$28.00
1-3/4" Gray Single Coil Clamp	Model 95640-Gray	\$28.00
1-3/4" Red Single Coil Clamp	Model 95640-Red	\$28.00

Clamp on Chassis Accessories

Helmet Hooks



1-1/2" Blue Helmet Hook	Model 95420-Blue	\$10.50
1-1/2" Gray Helmet Hook	Model 95420-Gray	\$10.50
1-1/2" Red Helmet Hook	Model 95420-Red	\$10.50
1-5/8" Blue Helmet Hook	Model 95430-Blue	\$10.50
1-5/8" Gray Helmet Hook	Model 95430-Gray	\$10.50
1-5/8" Red Helmet Hook	Model 95430-Red	\$10.50
1-3/4" Blue Helmet Hook	Model 95440-Blue	\$10.50
1-3/4" Gray Helmet Hook	Model 95440-Gray	\$10.50
1-3/4" Red Helmet Hook	Model 95440-Red	\$10.50

Long Reach Universal Clamps



1" Long Reach Universal Clamp	Model 95810	\$20.50
1-1/4" Long Reach Universal Clamp	Model 95815	\$20.50
1-1/2" Long Reach Universal Clamp	Model 95820	\$20.50
1-3/4" Long Reach Universal Clamp	Model 95840	\$20.50
2" Long Reach Universal Clamp	Model 95860	\$20.50
2-1/4" Long Reach Universal Clamp	Model 95880	\$20.50

Short Reach Universal Clamps



1" Diameter Universal Clamp	95715	\$18.50
1-1/2" Diameter Universal Clamp	95720	\$18.50
1-3/4" Diameter Universal Clamp	95740	\$18.50

Mirror Mount Kits



1-1/2" Mirror Mount Kit	Model 95700	\$33.00
1-3/4" Mirror Mount Kit	Model 95710	\$33.00

Rear End Breather



**Breathers Work
on Rear Ends
and Transmissions!!**

1-1/2" Blue Vent-Clamp	Model 95520-Blue	\$34.75
1-1/2" Gray Vent-Clamp	Model 95520-Gray	\$34.75
1-1/2" Red Vent-Clamp	Model 95520-Red	\$34.75
1-3/4" Blue Vent-Clamp	Model 95540-Blue	\$34.75
1-3/4" Gray Vent-Clamp	Model 95540-Gray	\$34.75
1-3/4" Red Vent-Clamp	Model 95540-Red	\$34.75

Rear End Breather Tank



1-1/2" Vent Tank	Model 95525	\$41.50
1-3/4" Vent Tank	Model 95545	\$41.50

Replacement Breather



Replacement Breather	Model 95500	\$18.50
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Reducer Bushings

Use to Reduce Your Clamp ID Size



1-3/4" to 1-1/2" Reducer Bushing	Model 95000	\$8.00
1-3/4" to 1-5/8" Reducer Bushing	Model 95010	\$8.00

Gauge & Switch Panels

AutoMeter Ultra-Lite Gauge Panels

2 Gauge Panel (oil psi- water temp)	Model 30020	\$282.50
3 Gauge Panel (oil psi- water temp-fuel psi)	Model 30035	\$414.75
3 Gauge Panel (oil psi- water temp-oil temp)	Model 30030	\$446.25
4 Gauge Panel (oil psi- water temp-fuel psi-oil temp)	Model 30040	\$545.00

Specify Panel Color When Ordering: **RED, BLUE or BLACK**



We Use High Quality AutoMeter Ultra-Lite Gauges



All Switch & Gauge Panels are anodized & then laser engraved for lifetime visibility



30500



30510



30520



30631

Standard Switch Panels

Starter Button & Ign.	Model 30500	\$29.50
Starter Button, Ign. & Light	Model 30501	\$37.75
Starter Button, Ign. & 1 Acc.	Model 30510	\$37.75
Starter Button, Ign. & 1 Acc. w/ Light	Model 30511	\$39.50
Starter Button, Ign. & 2 Acc.	Model 30520	\$52.00
Starter Button, Ign. & 2 Acc. w/ Light	Model 30521	\$55.25
Starter Button, Ign. & 3 Acc.	Model 30530	\$64.75
Starter Button, Ign. & 3 Acc. w/ Light	Model 30531	\$66.75
Starter Button & Magneto	Model 30540	\$32.00

Specify Color When Ordering: **RED, BLUE or BLACK**

Gaugelite Kits & Parts

Oil Pressure Sending Unit	Model 32005	\$13.75
Water Temp Sending Unit	Model 32020	\$16.75
Oil Temp Sending Unit	Model 32040	\$16.75
Fuel Pressure Sending Unit	Model 32070	\$13.75
Oil Pressure GAUGELITE Kit	Model 32100	\$22.50
Water Temp GAUGELITE Kit	Model 32120	\$23.75
Oil Temp GAUGELITE Kit	Model 32150	\$23.75
Fuel Pressure GAUGELITE Kit	Model 32170	\$22.50
Red Replacement Light	Model 32195	\$9.25
Amber Replacement Light	Model 32196	\$9.25
Clear Replacement Light	Model 32197	\$9.25
Blue Replacement Light	Model 32198	\$9.25
Switch Panel Light	Model 32199	\$7.00
Replacement Bulbs (2 pk)	Model 33000	\$3.50

Gaugelite kits come complete to hook up Gaugelites!



Deluxe Switch Panels

With Aircraft Flip Cover

Starter Button & Ign.	Model 30600	\$40.50
Starter Button, Ign. & 1 Acc.	Model 30610	\$51.75
Starter Button, Ign. & 1 Acc. w/ Light	Model 30611	\$54.25
Starter Button, Ign. & 2 Acc.	Model 30620	\$62.25
Starter Button, Ign. & 2 Acc. w/ Light	Model 30621	\$64.75
Starter Button, Ign. & 3 Acc.	Model 30630	\$72.75
Starter Button, Ign. & 3 Acc. w/ Light	Model 30631	\$75.25
Starter Button & Magneto	Model 30640	\$42.50

Order Toll Free 1-800-467-2464

Switches & Electrical

Aircraft Safety Cover



Safety Cover..... Model 33020.....\$14.75

Ignition Switch



Ignition Switch w/ Weather Proof Cover.... Model 33100.....\$10.50
 Start / Ignition Switch Model 33130.....\$15.25
 Magneto Switch..... Model 33140.....\$14.25

Aluminum Switch Handle Extensions



2" Extension (pair)..... Model 33060.....\$10.00
 3" Extension (pair)..... Model 33070.....\$11.25

Push Button Starter Switch



HD Push Button Starter Switch..... Model 33150.....\$11.25

Sprint Car Battery Pack

- High Temp Wire
- All Hook Ups
- Switch
- 20 lb. Sender
- 9 Volt Battery Holder



Battery Pack Kit..... Model 32180.....\$39.50

Master Switches



Switch Panels Available in:
 Red, Blue & Black

Master Switch..... Model 35100.....\$29.00
 Master Switch w/ Panel..... Model 35200.....\$33.50
 Alternator Master Switch..... Model 35300.....\$37.75

Weather Proof Switch Cover



Weather Proof Cover..... Model 33040.....\$3.25

Battery Cable Ends



Lug End..... Model 36200.....\$6.25
 Std. Positive End..... Model 36220.....\$6.25
 Std. Negative End..... Model 36240.....\$6.25

Charging Posts



Red (pos) Charging Post..... Model 36320.....\$16.75
 Black (neg) Charging Post..... Model 36340.....\$16.75

Through Panel Battery Cable Connectors



Red (pos) Through Panel Post..... Model 36420.....\$14.75
 Black (neg) Through Panel Post..... Model 36440.....\$14.75

Air Density Gauge

Used By All Top Teams

Auto Racing, Motorcycling, Snowmobiling, Drag Racing and More. Relative air density allows you to fine tune your engine. This gauge works for 2 and 4 stroke engines.

- Don't Be Fooled By Look Alikes
- Don't Get Out Powered
- Optimize Engine Tuning
- 4" Diameter

Air Density Gauge Only..... Model 81000.....\$125.50
Air Density Gauge w/ Case..... Model 81020.....\$136.00



Robic Stopwatches



- Lap or split timing.
- 1/1000 second resolution to 24 hours.
- Auto-release to running time.
- Single action time readings.
- Audible beep confirmation.
- Large, easy to read display with big numbers.
- Water Resistant to 30 meters.

- Times up to 3 competitors at once, up to 450 memory recall
- Customize to use as a Start timer simultaneously or separately.
- 150 memory recall of each timer.
- Professional stopwatch with 150 memory recall for each of up to three (3) separate chronographs.
- Average, Fastest and Slowest lap time, number and speed.
- Water Resistant to 30 meters.

- Speed timer displays lap speed in MPH/KPH.
- 30 dual memory of speed, lap time and number.
- Automatic lap counter to 999.
- Fastest and average lap times, on-demand.
- 1/100 second precision to 24 hours.
- 30 dual memory recall in ascending or descending order.
- Time of day, alarm, calendar.
- Shows current lap and split running times.
- Water Resistant to 30 meters.

- EL Backlight illuminates entire display.
- 300 Dual Split Memory recall.
- 1/100 second precision to 100 hours.
- User selectable Running Lap or Split Time.
- Automatic Lap Counter to 999.
- Speed Timer in mph/kph.
- 300 memory recall of lap speed, time and number.
- Advanced Countdown Timers show time remaining.
- Water Resistant to 30 meters.

SC 501W Standard
Model 25100.....\$25.00

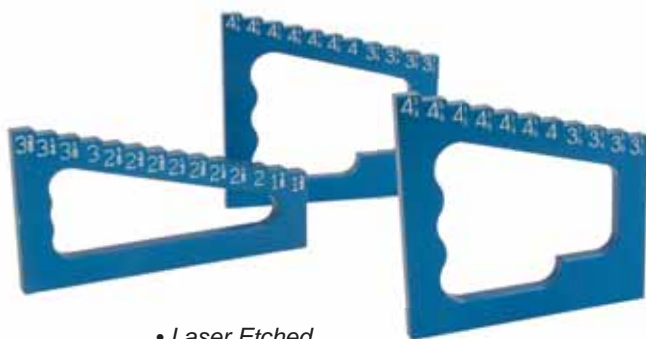
SC 505W Lap Memory
Model 25100.....\$27.00

SC 554W MPH 30 Lap Memory
Model 25120.....\$39.00

SC 848W 300 Dual Memory
Model 25180.....\$60.00

Tools

Frame Height Gauges



- Laser Etched
- Easy To Grip
- Solid Aluminum Construction

1-3/4" to 3-3/8" Model **56010**.....**\$33.00**

3-1/2" to 4-3/4" Model **56020**.....**\$33.00**

4" to 7-3/8" Model **56030**.....**\$37.50**

Super Sockets

All Super Sockets Are Precision CNC Machined From Heat Treated Steel And Are Space Age Coated. No Springs Are Needed.



Kryptonite 2-1/4" Short Super Socket.... Model **600-002-KS**.....**\$75.00**

Kryptonite 3-1/4" Long Super Socket.... Model **600-001-KL**.....**\$85.00**

Original 2-1/4" Short Super Socket..... Model **600-002-S**.....**\$50.00**

Original 3-1/4" Long Super Socket..... Model **600-001-L**.....**\$55.00**

Plumb Bob Kit

Inexpensive Method to Square a Race Car
Includes 2 Plumb Bobs & 16' of String



Plumb Bob Kit

Model **56300**.....**\$19.50**

Safety Wire & Pliers



9" Safety Wire Pliers.....**MB-TP68SR**.....**\$27.00**

9" Milbar Safety Wire Pliers.....**MB-TP68R**.....**\$76.00**

Safety Wire .020".....**MB-TP67**.....**\$14.00**

Safety Wire .032".....**MB-TP65**.....**\$13.00**

Safety Wire .041".....**MB-TP66**.....**\$13.00**

AN Wrenches



- Laser Etched
- 90° & 15° Ends
- Will Not Spread Apart
- Color Anodized For Easy ID
- CNC Precision Machined

-6 thru -16 Wrench Set	62200	\$97.25
-3 thru -20 Wrench Set	62300	\$156.50
-3 Single Wrench	7/16"	62003 \$22.00
-4 Single Wrench	9/16"	62004 \$22.00
-6 Single Wrench	11/16"	62006 \$22.00
-8 Single Wrench	7/8"	62008 \$22.00
-10 Single Wrench	1"	62010 \$24.00
-12 Single Wrench	1-1/4"	62012 \$26.75
-16 Single Wrench	1-1/2"	62016 \$26.75
-20 Single Wrench	1-13/16"	62020 \$30.00

Air Rivet Gun



Air Rivet Gun.... Model **62780**.....**\$83.50**

Pivot Jack



An Innovative Solution To Tight Garage Spaces !

- Handle Pivots 360 Degrees
- 1 Ton Capacity
- Aluminum Construction
- 3 1/2" Minimum Height
- 21" Maximum Height
- Built In Hydraulic Bypass
- Weighs 55 Lbs
- 16 Strokes To Maximum Height

The *ULTIMATE* Pivot Jack satisfies many needs for the automotive industry, motorsports, and the hobbist. Unique 360 degree pivoting handle allows user to jack vehicles in tight areas. Twist handle release allows for a smooth controlled down action as well.

Pivot Jack...Model 55000...\$1365.00

Who benefits from the Pivot Jack?

- Race Teams
- Car Collectors
- Auto Shops
- Roadside Service
- Tire Stores
- Auto Storage
- Restoration
- Body Shops



Order Toll Free 1-800-467-2464

Bump Steer Tools

ONE STEP BUMP STEER GAUGE



- Only One Indicator Needed
- Fits 5x5, 5x4-3/4 & 5x4-1/2
- Compact Portable Design
- Ideal For Shop or Track Use
- Precision Machined Aluminum Wheel Plate

BUMP STEER GAUGE



- Fits All Hub Designs
- Adjusts To Any Height
- Lightweight & Portable
- Measures 6" of Travel
- Comes With 2 Dial Indicators
- Fits 5 x 5 and Standard Wide 5 Hubs
- Works at Ride Height or On Jack Stands

One Step Bump Steer Gauge..... Model **1200-BSG**...\$350.00 Bump Steer Gauge..... Model **56100**.....\$285.00
 Replacement Dial Indicator Gauge..... Model **1200-502**.....\$60.00 Replacement Dial Indicator..... Model **56110**.....\$34.00
 Super "TRICK" Digital Dial Indicator..... Model **1200-504**.....\$190.00 Wide Five Snap Cap Adapter..... Model **1200-020**..\$75.00

TECH NOTE

Front end geometry is one of the most important aspects of proper race car set-up. BUMP STEER is a major key to correct geometry. Incorrect BUMP STEER will allow the tires to turn on their own as the suspension travels up and down. A car with proper BUMP STEER will have faster and more consistent lap times. Today's coil bind and bump stop set-ups make BUMP STEER settings more critical than ever.

Bump Steer Cylinder



- Bolts In Place Of Shock
- Eliminates The Use Of A Jack
- Smooth Hydraulic Movement
- Air Powered
- Easy To Use
- Simple Push Button Operation
- Adjustable Speed Control

Bump Steer Cylinder..... Model **56150**.....Call For Information

Accu-lign



- Excellent suspension adjustment access
- High accuracy - no wheel runout errors
- Precise rolling radius/corner weight control
- Precise leveling with floor tiles or laser
- Billet aluminum, CNC milled for high accuracy
- Includes 4 wheel plates
- Available for any hub pattern including centerlocks
- Raises vehicle approx +5" for easy access
- DIY super accurate water level using home center PVC pipe

The Accu-Lign is a revolutionary alignment system that: solves suspension access problems, eliminates roll on pads and ramps, and improves alignment accuracy.

Complete Accu-Lign System.....(starting at) \$749.00

Set-up Equipment

Caster / Camber Gauge

Shown With 57320 Magnetic Adapter and Included Case

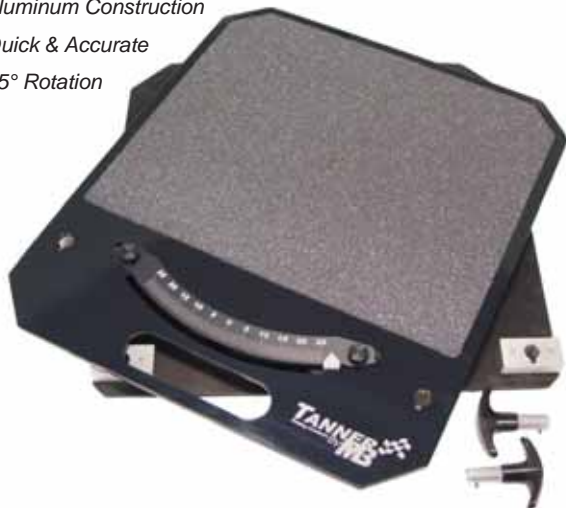


- 4° to 12° Caster
- Custom Fitted Case
- 6° Positive / Negative Camber
- Use With or Without Turning Plates
- Stepped Design Keeps All Vials on Spindle CL
- Separate Pos. / Neg. Vials for Accurate Readings

Gauge Only.....	57400.....	\$135.50
Gauge & Magnetic Adapter.....	57420.....	\$179.00
Gauge & Ford Adapter.....	57430.....	\$156.50
Gauge & Wide 5 Adapter.....	57440.....	\$162.75
Gauge & SCP Adapter.....	57450.....	\$156.50
Gauge & Bandolero Adapter.....	57470.....	\$156.50
Gauge & 5/8" Adapter.....	57480.....	\$156.50
Gauge & 14mm Adapter.....	57490.....	\$156.50

Turn Plates

- Great For Checking Ackerman
- Low Profile Design, 1" High
- Aluminum Construction
- Quick & Accurate
- 25° Rotation



Pair of Turn Plates..... Model 57200.....\$599.00

Digital Camber Gauge



Check & set your Camber quickly and easily with this Digital Tool. Reads in 1/10 Degree Resolution and uses standard Caster / Camber Gauge adapters. Ships with 57320 Magnetic Adapter. Smart Tool Included. Order other Adapters Separately

Digital Camber Gauge w/ 57320 Adapter.....Model 57300.....\$185.00

Digital Camber Gauge Mount w/ 57320 Adapter....Model 57305.....\$89.00
(mount & adapter only, no Smart Tool or Case)

Caster / Camber Adapters



Magnetic Adapter.....	57320.....	\$62.00
Ford Adapter (3/4-16).....	57330.....	\$40.00
Wide 5 Adapter (1 13/16-16).....	57340.....	\$51.50
SCP Adapter (27/32-20).....	57350.....	\$40.00
GM Adapter (3/4-20).....	57360.....	\$40.00
Bandolero Adapter (18mm x 1.5).....	57370.....	\$40.00
5/8" Adapter (5/8-18).....	57380.....	\$40.00
14mm Adapter (14mm x 1.5).....	57390.....	\$40.00

Toe Plate Kit



Kit Includes (2) Toe Plates and (2) Precision Tape Measures

Toe Plate Kit..... Model 56200.....\$68.75

Set-up Equipment

Digital Tread Depth Gauge

- High Quality Mitutoyo Gauge
- Anodized 4 Point Foot With Sight Hole
- Form Fitted case
- Zeroing Block



Digital Tread Depth Gauge..... Model 21600.....\$330.00

Nitro Dryer



Reduces Moisture Going Into The Tires
Which Helps Avoid Pressure Build-Up

- Lightweight Design
- Rechargeable Cartridge
- Easy In-Line Hook-Up
- All Aluminum Construction

Nitro Dryer..... Model 20900...\$375.00
Recharge..... Model 20906...\$75.00
Replacement Cartridge... Model 20905...\$235.00

Staggerite Tire Caliper

- Round Stationary Arm Keeps Measurement Accurate
- Laser Etched Markings
- 55" to 102" Circumference



Staggerite Tire Caliper..... Model 22120.....\$156.50

Stagger Tapes

- Lightweight & Portable
- Measure Tires Quickly
- Flexible & Easy to Read
- 10' Long



1/4" Stagger Tape..... Model 22000.....\$9.25
1/2" Stagger Tape..... Model 22010.....\$8.75

Valve Core Tools



4-Way Valve Core Tool.....Model 22450...\$7.00
Deluxe Valve Core Tool.....Model 22460...\$8.75
Deluxe Valve Core Tool w/ 10 Cores...Model 22470...\$12.25

Stagger Roller

- Measure Tires Quickly
- Lightweight
- Easy To Store
- All Aluminum



Stagger Roller..... Model 22130.....\$62.50

Adjustment Tools

A-Arm Shims

Standard Shims



- Fits 6" A Arm Centers
- Kit Contains 1 Each: 1/16", 1/8", 1/4", and 3/8"
- Staggered Tabs Allow For Quick & Easy Changes
- Laser Etched Markings For Easy Size Identification

Standard Camber Shim Kit..... Model 40600.....\$33.25

1/2" Camber Shim..... Model 40610.....\$12.25

3/4" Camber Shim..... Model 40615.....\$13.50

1" Camber Shim..... Model 40620.....\$14.25

Lowering Blocks



1/2" Lowering Block..... Model 40405.....\$29.00

1" Lowering Block..... Model 40410.....\$30.50

1-1/2" Lowering Block..... Model 40415.....\$31.00

1°, 1/2" Lowering Block..... Model 40550-1.....\$24.25

1-1/2°, 1/2" Lowering Block.. Model 40550-15.....\$24.25

2°, 1/2" Lowering Block..... Model 40550-20.....\$24.25

Jack Bolt Clamps



Standard Right Clamp..... Model 90600.....\$30.00

Tapered Right Clamp..... Model 90601.....\$30.00

Standard Left Clamp..... Model 90610.....\$30.00

Tapered Left Clamp..... Model 90611.....\$30.00

Universal Shims



- Fit 5-1/2" & 6" A Arm Centers
- Kit Contains 1 Each: 1/16", 1/8", 1/4", and 3/8"

Universal Camber Shim Kit..... Model 40650.....\$33.25

Pinion Shims



1° Pinion Shim..... Model 40510.....\$20.75

1-1/2° Pinion Shim..... Model 40515.....\$20.75

2° Pinion Shim..... Model 40520.....\$20.75

Spring Rubbers



- Fine Tuning At Its Best
- Inserts Quickly
- Increase Spring Rate Instantly
- Urethane Material Never Hardens
- Color Coded For Easy Reference

Soft Spring Rubber..... Model 41510.....\$40.00

Medium Spring Rubber..... Model 41515.....\$40.00

Firm Spring Rubber..... Model 41520.....\$40.00

Soft Coil-Over Spring Rubber..... Model 42005.....\$37.50

Medium Coil-Over Spring Rubber... Model 42010.....\$37.50

Firm Coil-Over Spring Rubber..... Model 42010.....\$37.50

Pyrometers

Smart Temp Memory Pyrometer

Smart Temp will store 10 complete sets of temperatures recording three places per tire. Comes with detachable probe and foam lined protective case. Designed for left or right handed use. The Smart Temp can be ordered with the Auto Lock feature which seeks the highest temp, records it, and prompts you to move the probe to the next location. An excellent diagnostic tool for chassis tuning allowing you to pinpoint problem areas in your chassis setup.

LEFT - 177	RIGHT - 210
LF x LR - 191	RF x LR - 196

Side & Cross

170	189	208
183	198	212

Wheel & Axle

170	189	208
183	198	212

Tires

- 10 sets of Memory
- 3 Temps Per Wheel
- Carrying Case
- Left or Right Handed
- Temperature Averaging
- Adjustable Contrast
- Detachable / Replaceable Probe



Smart Temp..... Model 21300.....**\$330.00**

Smart Temp w/ Auto Lock.... Model 21320.....**\$355.00**

Replacement Probe..... Model 21050.....**\$62.75**

Digital Tire Pyrometers

- Reliable Type "K" Thermocouple
- Convenient Coiled Cord
- Foam Lined Carrying Case
- 1/4 of 1% Accuracy
- Operates on 9 Volt Battery



Digital Pyrometer w / Case..... Model 21100.....**\$167.50**

Digital Pyrometer w/o Case..... Model 21000.....**\$156.50**

Replacement Storage Case



Replacement Storage Case..... Model 53666.....**\$26.25**

Digital Infrared Pyrometers

- Use for Tires, Headers, Interior Hot Spots or Track Temps
- Temps at The Touch of a Finger
- Ranges From 0-750° Fahrenheit
- Laser Beam for Pin Point Accuracy



Mini Infrared w / Laser..... Model 21511.....**\$114.00**

Replacement Tire Probe

- Racing Tire Probe
- Fast Updates
- Strong Tip



Replacement Probe..... Model 21050.....**\$62.75**

Tire Gauges

Night Bright Tire Gauges

New Electroluminescent Internal Lighting!

The Best Gauge For
Day And NIGHT!

- Excellent Night Viewing
- Quick Air Release
- Internal Battery Virtually Lasts Forever
- Protective Bumper
- 45 Degree Swivel Chuck
- Large 4" Diameter Illuminated Easy to Read Face
- Storage Case Included

15 psi...Model 20515...\$92.50

30 psi...Model 20530...\$92.50

60 psi...Model 20560...\$92.50



Momentary
On Switch

Deluxe
Pressure
Release

Actual Photo Taken At Night

2-1/2" Glow In The Dark

15 psi..Model 20315..\$48.25

30 psi..Model 20330..\$48.25

60 psi..Model 20360..\$48.25

- Excellent Night Viewing
- Quick Air Release
- Face Glows for Hours
- Protective Bumper
- 45 Degree Swivel Chuck
- 2-1/2" Diameter Easy to Read Face



Replacement Parts



2-1/2" Acrylic Lens.....Model 20006..\$3.50

4" Acrylic Lens.....Model 20007..\$4.75

2-1/2" Rubber Bumper..Model 20012..\$8.25

Monster Tire Gauges



- Large 4" Face
- Easy to Read
- Shock Proof Bumper
- Storage Case Included
- Deluxe Handle with Release

15 psi..Model 20415..\$69.75

30 psi..Model 20430..\$69.75

60 psi..Model 20460..\$69.75

Tire Gauges

Deluxe Tire Gauges

15 psi..Model 20115..**\$43.75**
 30 psi..Model 20130..**\$43.75**
 60 psi..Model 20160..**\$43.75**

- 2-1/2" Face
- Quick Air Release
- Protective Bumper
- 45 Degree Swivel Chuck
- Industry Standard For Years



Liquid Filled Tire Gauges

15 psi..Model 20215..**\$61.25**
 30 psi..Model 20230..**\$61.25**
 60 psi..Model 20260..**\$61.25**

- 2-1/2" Face
- Quick Air Release
- Protective Bumper
- 45 Degree Swivel Chuck
- Glycerin Filled For Shock Resistance



Extreme Tire Management



***We don't make the nitrogen,
WE MAKE IT BETTER***

The Extreme Tire Management System uses a proprietary innovation that filters out moisture and contaminants from industrial grade nitrogen, resulting in pressure consistency in every set of tires. Other systems use nitrogen but can not provide this level of purification and portability.

- Enables you to purge your tires to virtually 0% humidity
- Will reduce your pressure build up by an average of 2 to 4 PSI
- Will purge and fill multiple tires at once
- Is light weight and portable
- Requires no electricity

Complete Extreme Tire Management System for 4 Tires

Model 20950....**\$1925.00**



**Removable Lid for Protection
and Transport**



**Complete Kit
Weighs Only 25 pounds**



**Manifold Allows Up to Six
Tires at a Time**



Digital Accuracy

Ultimate Pull Down Rig

Benefits

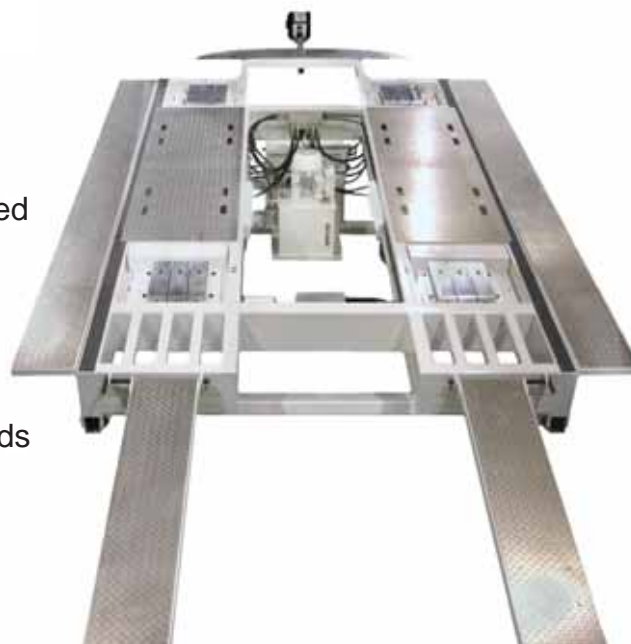
- Perform Accurate Bump Stop or Coil Bind Setups
- Align Springs to Maximize Travel
- Travel and Evaluate Chassis Over Full Motion Range
- Help Substitute for Testing Bans and Much More
- Study Bump Steer & Camber changes over the full suspension motion range
- Evaluate corner weight effects of sway bar changes

Features

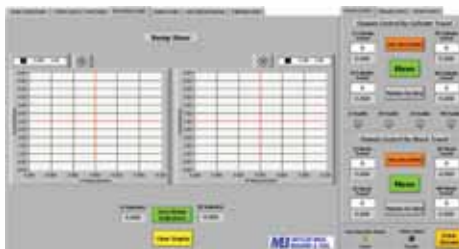
- Fully Self Contained & Computer Controlled
- Laptop Included With Data Acquisition Software Loaded
- Exports Data To Excel & Pi Toolbox
- Pull The Vehicle Down Or Push The Wheels Up
- Extremely Rigid Frame For Minimum Deflection
- Built In Lighting Under Vehicle
- 3 Finger Scales Reading Outer, Center and Inner Loads
- Built In Heavy Duty Turn Plates
- Table Tilts For Easy Loading
- Installation And Basic Training Included

**Software Version 2.7
Available Now!**

**Analyze Data
Using *///* Toolbox!**



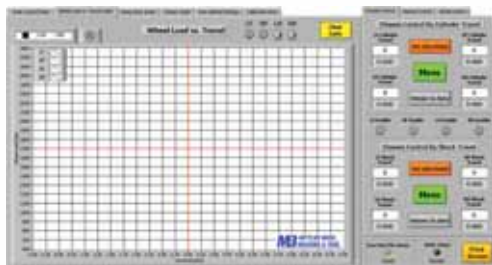
No Bind
Chassis Hook Up



Bump Steer / Camber



Rigid Frame Mounts



Wheel Load vs. Travel



User Defined Settings

See Demo at
www.mittlerbros.com

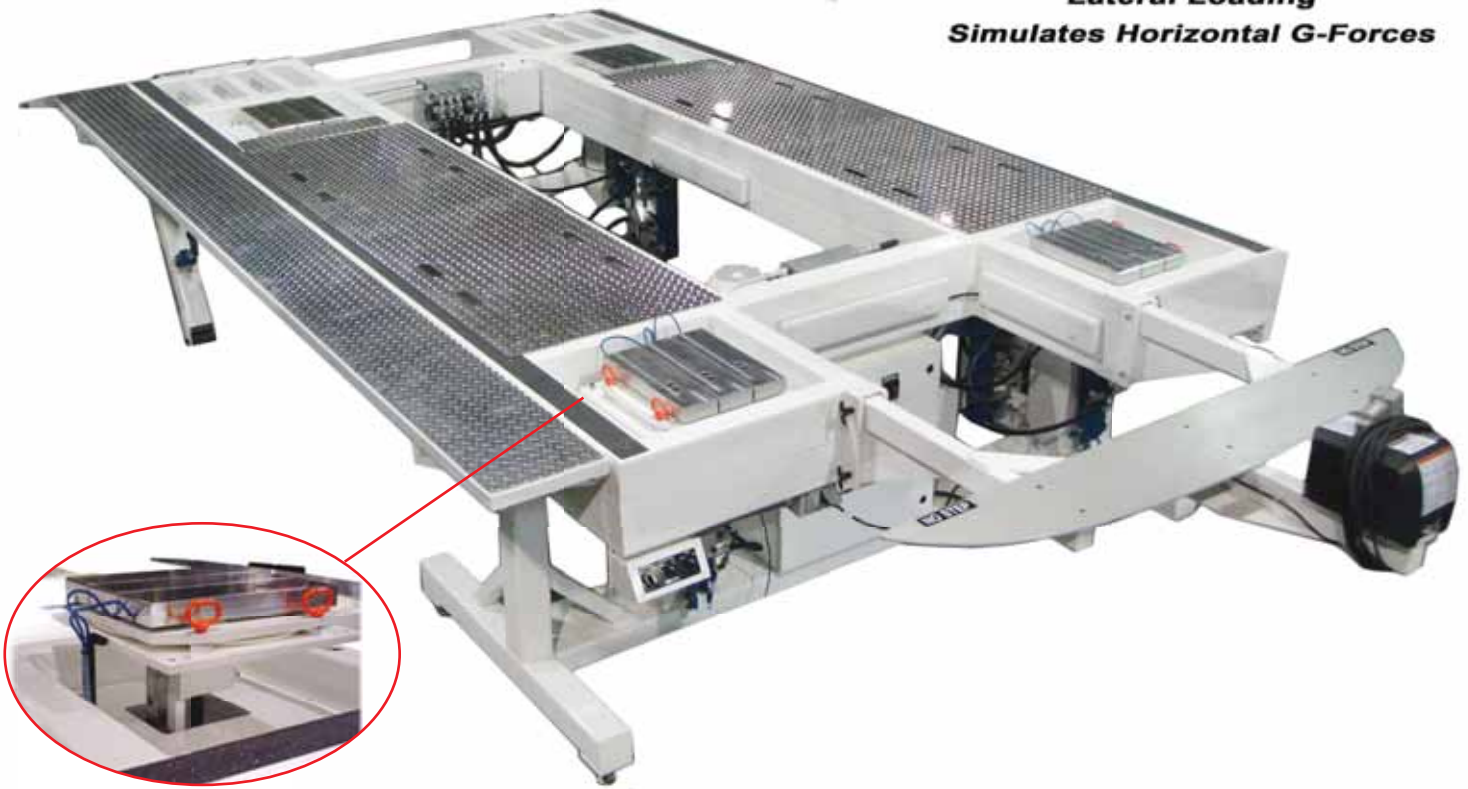
Order Toll Free 1-800-467-2464

Ultimate Pull Down Rig

Used by Race Winning Teams From Coast to Coast

Available Soon!

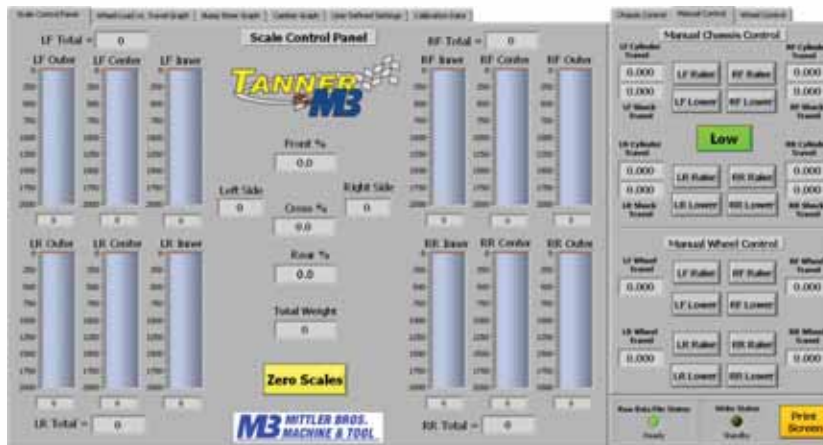
**Lateral Loading
Simulates Horizontal G-Forces**



Quality, more features than expected, and very user friendly are just a few of the comments customers share regarding their ULTIMATE PDR. The ULTIMATE PDR is rapidly becoming the standard of NASCAR and Short Track Teams with unique features such as:

- PC Driven Movements
- User Defined Settings
- Bump Steer Curves
- Camber Curves
- Tire Footprint Management
- Built in Turn Plates
- Chassis Pull Down Feature
- Wheel Push Up Feature

Pull Down Only Rigs Starting at \$64,950



All Rig Functions Controlled From The Proprietary User Interface

Order Online @ www.mittlerbros.com

Leveling

Laser Leveling Kit



- CNC Machined Targets & Swivel Laser Base
- Laser Etched Scale Won't Wear Off
- Fitted Carrying Case
- Absolute Must for Leveling Your Scales



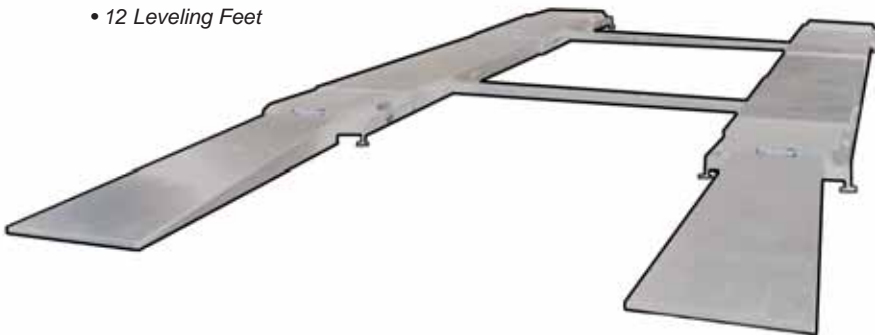
Complete Laser Leveling Kit..... Model 52500.....\$209.00

Chassis Set-Up Fixture

- Portable Design for Easy Set-Up & Storage
- Custom Built To Your Wheel Base
- All Aluminum Construction
- Adjustable Tread Width
- Fits all 15" Scale Systems
- 12 Leveling Feet



Leveling Foot Detail



Chassis Set-Up Fixture..... Model 51300.....\$1,975.00

Smart Tool Digital Level



- Great for Setting Suspension Link Angles
- Reads Degrees, % Slope & Pitch
- Fits Levels Listed Below (See Page 9)

Smart Tool Digital Level.....1800.....\$125.00

Bandolero/ Legend Car Chassis Set-Up Fixture



**Bandolero/Legend Car Set-Up Fixture
Model 51350.....\$1,875.00**

Scale Accessories

Control Box Charger / Battery



Replacement Control Box Charger..... Model 53530.....\$28.00

Replacement Control Box Battery..... Model 53580.....\$43.75

Replacement Cables



Economy Cable..... Model 53620.....\$28.25

Deluxe Cable..... Model 53640.....\$55.25

Portable Aluminum Scale Cart



- Ships UPS
- Rolls Easy
- All Aluminum
- Control Box Fits in Top
- Extra Storage For Turning Plates
- Pad Shelves Angled Down in Back for Stability

Scale Cart..... Model 52300.....\$479.00

Roll Back Tray



- 15" Long Roll Back Area
- Roll off/Roll on Reduces Suspension Binding
- Promotes Accurate Readings
- Works with Wired or Wireless Systems

Rollback Set Of 4 w/ Plastic Feet.....Model 52420...\$605.00

Rollback Set Of 4 w/ Steel Feet..... Model 52421...\$725.00

10" Elephant Stands



- 10" Tall
- Aluminum Construction
- Wheel Stops Included

10" Stands / Qty 4 Model 52400....\$499.00

Control Box & Cable Storage Case

- Light Weight Double Wall Poly Design
- Protects Your Valuable Investment

Poly Storage Case..... Model 53660.....\$46.25



Deluxe RaceScales

- 1500 lb per wheel capacity
- 15" x 15" Permanent Mold Platforms
- Custom Matched Load Cells
- Stainless Push-lok Connectors
- Gold Plated Contacts
- Easy to Read Display (all information shown)
- One Touch Functions
- Selectable Display format
- Memory Storage
- Center of Gravity Calculation
- Fuel Mileage Calculation
- 18' Heavy Duty Flexible Cables



An ideal system for NASCAR, SCCA, IRL, USAC, and Other Professional Teams who demand the best. Deluxe RaceScales were developed for the racer by the racer using today's leading edge technology.

Deluxe RaceScales w/ 15" Pads (with case).....Model 50300...\$1,365.00

Deluxe RaceScales w/ 15" Pads & Scale Cart....Model 50310...\$1,799.00

Aircraft Scales

- 15" x 15" Cast Aluminum Pads
- 1500 Lbs Per Pad Capacity
- Lbs. or Kg
- Reads to 1 Lb. / 1/10% Accurate
- Displays All Information at Once
- Zero All Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty
- 18' Heavy Duty Flexible Cables



Deluxe Aircraft Scales include custom length cables with Deluxe Stainless Steel connectors and software to calculate center of gravity height. Used by Experimental Aircraft builders with great success.



Certification Available

4500 lbs. Aircraft Scale Set (with case)...Model 50297...\$1,250.00

RaceScales

RaceScales Jr. 10" Pads

- 10" x 10" CNC Billet Aluminum Pads
- 250 Lbs Per Pad Capacity
- 9' Heavy Duty Flexible Cables
- Lbs. or Kg Selectable
- Displays All Weights and Percentages
- Zero All Pads at Once or Individually
- 40 Hr. Battery Life (rechargeable)
- 1 Year Warranty
- 1/10th Pound Resolution



Applications

RaceScale Jr.'s are the perfect choice in weighing vehicles 1000 pounds and under reading in 1/10th pound resolution. New Deluxe Software allows user to calculate center of gravity and store setups. Control Module operates up to 40 hours on internal battery and has instant "ON" feature with supplied power adapter. Conditioned Software updating provides stable readings with quick updates when chassis adjustments are made.

- Go-Kart
- Quarter Midget
- Mini Cup
- TQ/Micro
- Formula SAE
- Bandolero
- Arena Cup
- Quads

RaceScale Jr. 10" CNC Pads (with case)...Model 50210...**\$1050.00**

Standard RaceScales

- 15" x 15" Pads
- 1500 lbs Per Pad Capacity
- 18' Heavy Duty Flexible Cables
- Strongest Pads in the Industry
- 40 hr Battery Life (rechargeable)
- Pounds or Kg Selectable
- Displays all Information at Once
- 1 Year Warranty



Displays all Information at Once

This low cost version does not have anything economical about it except the price. Uses many of the same high quality components that our Deluxe systems are manufactured with.

Standard RaceScales w/ 15" Pads.....Model 50250...**\$1025.00**

Poly Storage Case.....Model 53660...**\$46.25**

Ultimate Wireless Radio Frequency Scales



15" Pads

7000 lb Capacity (1750 lbs per Pad)

- Permanent Mold design yields stronger parts
- Smooth Top for Easy Camber Rollout
- Built In Handles
- Full 225 Square Inch Surface Area
- Lightweight Design
- Internal Rib Design Reduces Deflection

Wireless Ultimate RF Scales w/ 15" Pads

Model **50520**.....**\$1999.00**

10" Elephant Stands



- 10" Tall
- Aluminum Construction
- Wheel Stops Included

10" Stands / Qty 4...Model **52400**....**\$499.00**

Roll Back Tray



- 15" Long Roll Back Area
- Roll off/Roll on Reduces Suspension Binding
- Promotes Accurate Readings
- Works with Wired or Wireless Systems

Rollback Set Of 4 w/ Plastic Feet.....Model **52420**...**\$605.00**
Rollback Set Of 4 w/ Steel Feet..... Model **52421**...**\$725.00**

Order Toll Free 1-800-467-2464

Ultimate Wireless Radio Frequency Scales

This scale system is in use by Top NASCAR Sprint Cup, Nationwide, and Camping World Truck Series Teams. No matter what form of motorsports you participate in, the ULTIMATE Wireless RF Scale system will make your job easier and more accurate. Just Imagine being able to walk around your race vehicle not tripping over cables and getting all the information you need on the palm sized control panel. All weights and percentages can be displayed on the 5-1/4" x 7-1/2" control.



- 5.7" LCD Display
- Touch Screen
- Internal Antenna
- All Functions Contained In 5-1/4" x 7-1/2" Control
- Backlit High Contrast Display for Night Use
- Pounds or Kilograms Selectable
- Uses Inexpensive AA Batteries
- User Selectable Display Formats
- Individual and Multiple Pad Zeroing
- Instant Display Updates
- Custom Fitted Case for Hand Held and Charger
- AA Platform Batteries Last Up to 400 Hours of Use
- Battery Life Indicator Displays in %
- 1 Year Warranty

Wireless Ultimate RaceScales Jr. 10" Pads



Applications

- Go-Kart
- Quarter Midget
- Mini Cup
- TQ/Micro
- Formula SAE
- Bandolero
- Arena Cup
- Quads

The Wireless Ultimate RF 10" Scales are designed to accommodate vehicles under 1000 pounds. The same technology used in the ULTIMATE Wireless RaceScales is utilized to deliver a high quality small car system at an affordable price.

Wireless Ultimate RaceScales Jr. 10" Pads.....Model 50220.....\$1875.00

Order Online @ www.mittlerbros.com

Drivetrain

ENGINE SPROCKETS

18 Tooth	75218
19 Tooth	75219
20 Tooth	75220
21 Tooth	75221
22 Tooth	75222
23 Tooth	75223
24 Tooth	75224
25 Tooth	75225
26 Tooth	75226
27 Tooth	75227
28 Tooth	75228
29 Tooth	75229
30 Tooth	75230
31 Tooth	75231
32 Tooth	75232
33 Tooth	75233
34 Tooth	75234
35 Tooth	75235
36 Tooth	75236
37 Tooth	75237
38 Tooth	75238
39 Tooth	75239
40 Tooth	75240

Sprockets



All Sprockets
\$18.50



AXLE SPROCKETS

23 Tooth	75323
24 Tooth	75324
25 Tooth	75325
26 Tooth	75326
27 Tooth	75327
28 Tooth	75328
29 Tooth	75329
30 Tooth	75330
31 Tooth	75331
32 Tooth	75332
33 Tooth	75333
34 Tooth	75334

- Special Tooth Design for Easy Pick & Release
- CNC Machined For Accuracy
- Heat Treated Aluminum
- Fits All Popular Hubs
- Light Weight

Chassis Dyno

This small car chassis dyno is designed for up to 20 hp. testing of go-karts, quarter midgets, Mini Cup & Bandolero cars. The portable design makes race track set up & use a breeze. Troubleshoot your issues without burning up limited practice time. Car can be set up & performing dyno tests in minutes.



- Large Diameter Pressure / Torque Gauge
- Fine Resolution Load Valve
- Quick Reference HP / Torque Charts
- High Traction Aluminum Knurled Rollers
- Remote Throttle Control
- All ALUMINUM frame construction
- 5" ALUMINUM Rollers



Quarter Midget / Mini Cup / Go-Kart / Bandolero **D3 Chassis Dyno 60"** Model 99500 **\$3335.00**

Order Toll Free 1-800-467-2464

Quarter Midget & Go Kart

Tach Mounting Brackets

Sendec Style Bracket

Mychron Style Bracket



5/8" Mychron Bracket	Model 75023	\$28.50
3/4" Mychron Bracket	Model 75024	\$28.50
7/8" Mychron Bracket	Model 75025	\$28.50
3/4" Sendec Bracket	Model 95910	\$19.50
7/8" Sendec Bracket	Model 95915	\$19.50

HONDA Linkage Kit



Honda Linkage.....	Model 75010.....	\$57.00
Honda Cable.....	Model 75005.....	\$6.00
Deco Cable.....	Model 75006.....	\$9.00

Exhaust Clamps



Deco



Honda

Clamps On Nerf Bar

CNC Billet Aluminum

Deco Exhaust Clamp	Model 75020.....	\$30.50
Honda Exhaust Clamp ...	Model 75021.....	\$41.75

Engine Plates



Tapered Plate

Hardware
Included


Standard Flat Plate

Tapered Plate... Model 75055..\$96.75

1/4" Std. Plate...	Model 75050...	\$49.00
1/2" Std. Plate..	Model 75052....	\$56.25

Steering Shaft Mount

Adjustable



Steering Shaft Mount ...Model 75060...\$20.50

Engine Starter Pull Strap



Pull Strap... Model 75400..\$17.50

Steering Wheel Quick Disconnect



Complete Kit.....	Model 75070.....	\$55.25
Spline Only.....	Model 75069.....	\$22.50

Quarter Midget Axle Shafts



36" Long

6061 T6 Aluminum

Centerless Ground

Keyed for Component Location

Standard Aluminum Axle.....	Model 75134.....	\$90.00
Snap Ringed Axle	Model 75135.....	\$95.25
Fits Bullrider, Stanley & Early Nervo		

Chassis Alignment Bars



Front Alignment Bar.....	Model 75105.....	\$83.50
Rear Alignment Bar.....	Model 75110.....	\$83.50

Quarter Midget Springs

Fits ALL Quarter Midget Shocks

All Springs are not created equal. Each rate of a HOT SPRING & RED HOT SPRING is custom designed to an optimized stress level. The optimized stress level creates a consistent and quicker recovery allowing the tire to follow the back side of bumps and undulations promoting quicker lap times.

RED HOT SPRINGS

75 #/in.	753-75
80 #/in.	753-80
85 #/in.	753-85
90 #/in.	753-90
95 #/in.	753-95
100 #/in.	753-100
105 #/in.	753-105
110 #/in.	753-110
115 #/in.	753-115
120 #/in.	753-120
125 #/in.	753-125
130 #/in.	753-130
135 #/in.	753-135
140 #/in.	753-140
145 #/in.	753-145
150 #/in.	753-150
155 #/in.	753-155

HOT SPRINGS



5" Tall

All Springs
\$24.95!

RED HOT SPRINGS



3-1/2" Tall

HOT SPRINGS

55 #/in.	752-55
60 #/in.	752-60
65 #/in.	752-65
70 #/in.	752-70
75 #/in.	752-75
80 #/in.	752-80
85 #/in.	752-85
90 #/in.	752-90
95 #/in.	752-95
100 #/in.	752-100
105 #/in.	752-105
110 #/in.	752-110
115 #/in.	752-115
120 #/in.	752-120
125 #/in.	752-125
130 #/in.	752-130
135 #/in.	752-135
140 #/in.	752-140
145 #/in.	752-145
150 #/in.	752-150
155 #/in.	752-155
160 #/in.	752-160
165 #/in.	752-165
170 #/in.	752-170
175 #/in.	752-175
180 #/in.	752-180
185 #/in.	752-185

Springs

Each Rate Has A Calibrated Wire Diameter

CNC Wound With Optimum Pitch

Open Pitch Design Yields Instant Recovery

Precision Ground Closed Ends

Shock Parts



**G2/G3/P4
Flat Spring Cone
#85521**

Shock Shafts



G2 / G3 Shock Shaft (2 Pack)..... Model 85610.....\$50.00

P4 / Vision Shock Shaft (2 Pack).....Model 85710.....\$50.00



**G2/G3/P4
Tapered Spring Cone
#85522**

**Shaft Guide
#85730**



**G2/G3/P4
Adjustment Nut
#85527**



**Rod End
#85524**

**Cone Spacer
#85523**



Bare Shock Parts	Part #	Price
G2/G3 Control Piston	8551-080	\$19.50
G2/G3 Control Piston Shim [split valve only]	8551-082	\$3.00
G2/G3 Bleed Spacer	8551-084	\$1.00
P4 Primary Shim	8551-086	\$3.00
P4 Secondary Shim	8551-087	\$1.00
G2/G3/P4 Separator Piston	8551-090	\$4.00
Gas Fill Port	8551-100	\$7.25
Spherical Bearing	8551-120	\$8.25
3/4 Internal Snap Ring	8551-130	\$1.50
G2/G3 Shaft Seal [Old Style U-Cup]	8551-140	\$2.25

Bare Shock Parts	Part #	Price
New Style Shaft Seal	8551-141	\$4.25
Bronze Bushing	8551-150	\$2.25
#6 O-Ring [Bleed Screw]	8551-180	\$0.50
Valve Core	8551-210	\$0.75
Control Piston Band	8551-220	\$2.75
Shaft Guide O-ring	8551-230	\$0.75
G2/G3/P4 Separator Cap O-ring	8551-240	\$0.75
G2/G3 AN Washers for control piston	8551-250	\$0.50
Internal Shaft O-ring	8551-270	\$0.75
G2/G3/P4 Separator Piston O-ring	8551-280	\$0.75

Evolution Of The Tanner Shock Piston



**G1 Piston
1999 - 2003**



**G2 Piston
2004 - Present**



**P4 Piston
2008 - Present**



**Vision Piston
2011 - Present**

Shock Service Parts

P4 Conversion Kit



P4 Conversion Kit..... Model **85740**.....**\$104.00**

Convert Your G2 to a Platinum 4!

Shock Master Valving Kit



G2 / G3 Shock Master Valving Kit.. Model **85600**...**\$257.25**

P4 Shock Master Valving Kit..... Model **85700**...**\$257.25**

Vision Shock Master Valving Kit.. Model **85800**...**\$257.25**

Shock Rebuild Kit

Old Style
G2 / G3 Rebuild Kit
Built Prior to Jan. 2009

New Style
G2/G3/P4 Rebuild Kit



Old Style G2 / G3 Rebuild Kit.... Model **85642**.....**\$11.50**

G2/G3/P4 Rebuild Kit..... Model **85742**.....**\$11.50**

Vision Rebuild Kit..... Model **85842**.....**\$11.50**

Shock Master Rebuild Kit



Old Style G2 / G3 Master Rebuild Kit.. Model **85605**..**\$83.50**

G2/G3/P4 Master Rebuild Kit..... Model **85705**..**\$83.50**

Vision Master Rebuild Kit..... Model **85805**..**\$83.50**

Shim Kits

G2 / G3 Carbon Shim Kit



G2 / G3 Carbon Shim Kit

Model **85602**.....**\$59.00**

P4 Carbon Shim Kit

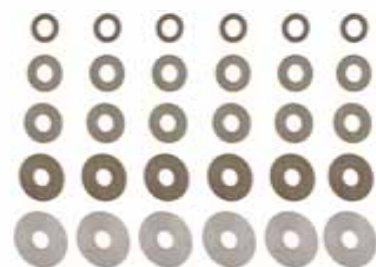


P4 Carbon Shim Kit

Model **85702**.....**\$59.00**

Vision

Sandvick Steel Shim Kit



Vision Shim Kit

Model **85802**.....**\$77.00**

Shock Rebuilding

Shock Inflation Tool



Shock Inflation Tool.... Model 75590.....\$57.75

Shock Inflation Adapter



Inflation Adapter
Model 75580....\$12.50

Shock Rebuild Drip Cup



Drip Cup... Model 75566.....\$24.25

Shock Jaws
Fits All Tanner Shocks



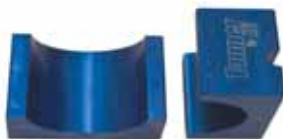
Shock Jaws..... Model 75570.....\$30.00

Universal Shock Wrench
Fits All Tanner Shocks



Shock Wrench..... Model 75575.....\$24.25

Shock Body Jaws
Fits All Tanner Shocks



Shock Body Jaws..... Model 75572.....\$21.50

Rebuild Your Shocks With These Handy Tools

Valve Core Tools



Deluxe Valve Core Tool
Model 22460.....\$8.75



Deluxe Valve Core Tool
w/ 10 Valve Cores
Model 22470.....\$12.25

Shock Vise



- Shock Rebuilding Made Easier
- Holds Shock Body & Piston Shaft
- Clamp In Existing Vise or Bolt Down

Shock Vise..... Model SV-1....\$152.25

Shock Rebuild Tool Kit



Shock Rebuild Tool kit..... Model 75592.....\$101.50

Shock Oil

Specially Formulated for Shock Applications



Pint Shock Oil..... Model 75540.....\$8.75

Quart Shock Oil..... Model 75545.....\$16.25

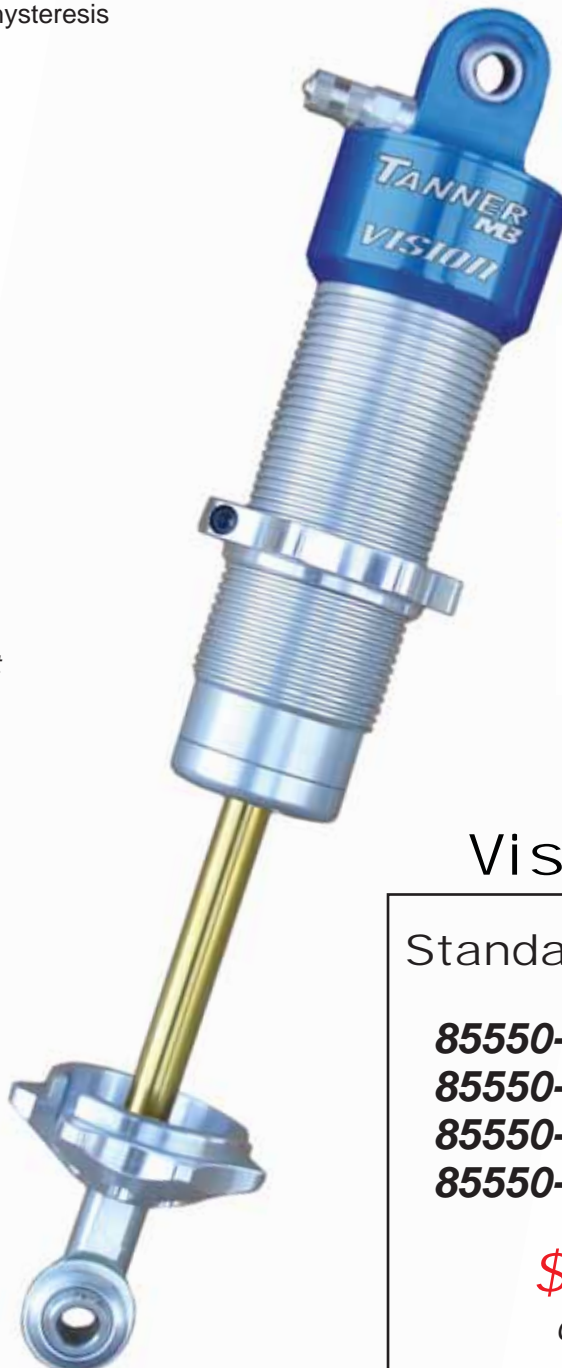
Quarter Midget Shocks

Vision Series

Tanner by Mittler, with feedback from customers, has designed, developed and extensively tested our new Vision shock. The Vision shock is the most universal, user friendly shock available and hands down yields the fastest lap times. We have extracted the solid features from our Platinum 4 shock such as the NO LEAK seal, quick change spring feature, Titanium Nitride shaft coating, and added several additional PERFORMANCE driven features such as:

- Micro Tower shim support. Shims will not deflect during direction change
- 62% increased air/gas chamber virtually eliminating rod/shaft pressure
- PERIMETER FLOW pistons reduce hysteresis
- New Sandvick shim stacks
- Lightest shock on the market
- One shock length fits all cars

One of the most important shock characteristics not widely discussed is Hysteresis, which is the delay a shock sees when changing direction or reaches high shaft velocities. Typically a shock that does not change direction well will reduce grip. Reduced grip is simply slower lap times. The same holds true for a shock with high shaft velocities. At high shaft speeds the internal flow capabilities can cause a hydraulic lock as well. A Quarter Midget will see shaft speeds double of what you will see on a typical NASCAR race car or even a Sprint car and the Vision shock has addressed this SUCCESSFULLY.



Vision Series

Standard	Split Valve
85550-3	85550-3/5
85550-4	85550-5/3
85550-5	85550-4/6
85550-6	85550-6/4
\$189.00	
Complete Shock w/ Coil Over Kit	

See Page 9 For Complete Spring Selection

Shock Recommendations at www.mittlerbros.com

Order Toll Free 1-800-467-2464

Quarter Midget Shocks

Generation 2



Coil Spring
Mounting Kit
Included With
Each **G2 / G3**
Shock

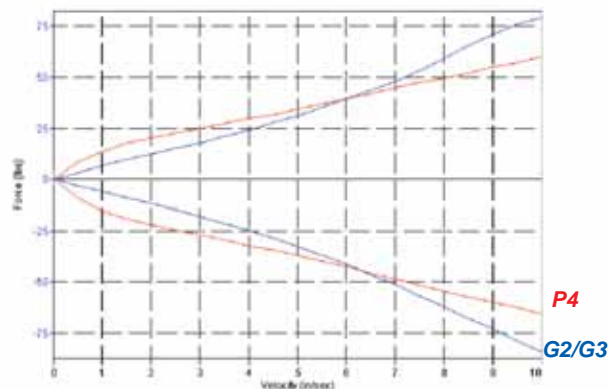
G2	G2
Standard	Split Valve
85510-2	85510-3/5
85510-3	85510-5/3
85510-4	85510-4/6
85510-5	85510-6/4
85510-6	

\$159.00

Complete Shock
w/ Coil Over Kit

- Calibrated Fluid to Gas Chamber Balance
- Titanium Nitride Coated Shaft
- Pinch Style Spring Adjustment Collar
- Hybrid Shaft Seal
- User Revalveable/Rebuildable
- Custom Valving Available
- Maintenance Free Design
- Coil Kit Included with All Shocks
- Indexed Spring Cone
- Fine Thread Adjustment

NO Leaks!



Actual Force vs Velocity on a Roehrig Dynamometer

Graph demonstrates linear style **G2-G3 Shocks** and Digressive **Platinum 4's**. Digressive shock promotes additional low speed control with high speed bypass for bumps and undulations.

Platinum 4



Internal design components such as the High Flow Digressive Piston, improved separator cavity balance, carbon fiber shim technology, Titanium Nitride coated shaft, and hybrid shaft seal are some of the reasons the Platinum 4 dominated the 2009 Quarter Midget Season.

P4	P4
Standard	Split Valve
85540-3	85540-3/5
85540-4	85540-5/3
85540-5	85540-4/6
85540-6	85540-6/4

\$179.00

Complete Shock
w/ Coil Over Kit

- High Flow Digressive Control Piston
- User Re-valveable (No Piston Change Required)
- Pinch Style Spring Adjustment Collar
- Hybrid Shaft Seal
- Titanium Nitride Coated Shaft
- Custom Valving Available

Mittler Bros. Machine & Tool Co.
A Division of Mittler Corp.



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Foristell, Missouri 63348-0110

SHIPPING ADDRESS

10 Cooperative Way
Wright City, Missouri 63390-4000

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All orders shipped C.O.D. must be paid by money order or certified check only! Federal Express & UPS no longer accept cash for C.O.D. orders. If a C.O.D. delivery is refused we will require full prepayment on all future orders. Company check acceptance must be pre-approved. No C.O.D. orders will be shipped outside the continental United States. Prepayment will save you the C.O.D. fees. Prepayment can be made by money order, wire transfer, certified check, Visa, American Express, Discover, or MasterCard. Payments made with a personal check, or any non-approved business check will delay your order a minimum of ten (10) working days until the check has cleared our bank.

Prices

Every effort possible will be made to hold published prices, however all prices are subject to change without notice! We cannot accept responsibility for errors in content or pricing.

Returns

No merchandise will be accepted for return without prior authorization! All returns must be in like new condition and in original packaging with a copy of the invoice. Special orders are not returnable! All return shipments must be prepaid. Shipping charges are not refundable. A 15% restocking charge will be applied to all returns. No returns accepted after 30 days of invoice date.

Special Orders

All special orders must be 100% prepaid!
All special orders are Nonreturnable and Nonrefundable!

Outside the Continental United States

All orders must be prepaid in U.S. dollars. Wire transfers or credit card payment is preferred. Freight charges must be prepaid. Please call for freight charges. Any additional duty or tariff will be the responsibility of the purchaser. Crating fees may apply to foreign orders.

Truck Freight

All merchandise shipped by truck must be paid in full before order can be shipped. Payment by credit card or money order is preferred. Due to more costly residential delivery charges imposed by most motor freight companies, it is preferable to ship all truck freight items to a business address.

Freight Claim

Any damage must be reported to your carrier upon receipt of goods.

Warranty

All Mittler Bros. & Tanner by MB manufactured products carry a one year warranty on material and workmanship. Misuse or improper tool selection does not constitute a warranty issue. Other manufactures products sold carry the manufactures warranty.

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THANK YOU FOR YOUR BUSINESS...

In the fast paced world we live in today, **Thank You** gets overlooked in too many transactions. At Mittler Bros. we know that without you, our valued customer, we would not exist, **Thank You**.

Our other great strength is our Loyal, Dedicated & Skilled team members. Every team member's pride and skill is showcased in the products we produce. **Thanks** to each and every one of them & their families for their dedication and support. Check out our long time employee's on Mittler Bros. page 57.

As we pass 31 years in business we reflect on the past with pride and we look to the future with what has led us to this point; Innovation. When you look at our 2012 catalog you will see continued innovation including;

Vision Shock.....Tanner page 5
Pull Down Rig Lateral Loading..Tanner page 18
Night Bright Tire Gauge.....Tanner page 21
Dimple Die.....Mittler Bros. page 28

We have made numerous incremental changes to improve product function and value you receive when you purchase our products, many of these are the result of input from you our customers.

2012 will be the most important national election in my lifetime, it will decide the success or failure of this great country. Will we continue down the path of more government, more regulation, increased debt all leading us to a nanny-socialist state or will we vote for candidates that share our core values of a Judeo - Christian nation with less government and a system that believes in an honest days pay for an honest days work not a government handout?

I have personally been to Washington DC twice in the past year and met with several of our elected officials not to ask for anything but to say get out of our way and let us as business owners and entrepreneurs do what we know to do and that is provide jobs and add value to our society! I have also asked what can we do to make it happen and they say stay involved encourage your family, friends & coworkers to be involved. So my call is you stay or get involved and help vote the bums out and vote in people who believe in what made our country great.

**It has been said, "All that is necessary for evil to succeed is for good men do do nothing".
I think you are all good men!**

GOD BLESS AMERICA

PLEASE SUPPORT OUR TROOPS-THE TRUE HEROES OF THIS COUNTRY! THEIR EFFORTS FOR OVER 200 YEARS ALLOW US THE FREEDOM WE HAVE TODAY.



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Racing Products *By* MB



Product Catalog 2012

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